

# 2020

# **SOUTHERN REGION ANNUAL HIV EPIDEMIOLOGICAL PROFILE**

**Data reported through  
June 30, 2021**

**CENTER FOR HIV  
SURVEILLANCE,  
EPIDEMIOLOGY AND  
EVALUATION**

Infectious Disease Prevention and  
Health Services Bureau  
Prevention and Health Promotion  
Administration



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This report was prepared by the following CHSEE staff: Morgan Boyer, Colin Flynn, Abigail Grady, Molly Gribbin, Trevor Hsu, Elizabeth Kassens, Amber Lee, Kristen Lowe, Shreya Patel, Michelle Ryan, Alyssa Risney, Jami Stockdale.

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## On the Web

<https://health.maryland.gov/phpa/OIDEOR/CHSE/SiteAssets/Pages/statistics/Southern-Region-Annual-HIV-Epidemiological-Profile-2020.pdf>

## Additional Information and Reporting Instructions

<https://health.maryland.gov/phpa/OIDEOR/CHSE/Pages/statistics.aspx>

Email: [mdh.hivdatarequest@maryland.gov](mailto:mdh.hivdatarequest@maryland.gov)

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## Section I – Summary of Analyses and Technical Notes

### Highlights of Analyses

CHSEE in MDH is responsible for the collection, analysis, and dissemination of HIV surveillance data for the state of Maryland. The annual epidemiological profiles, fact sheets, maps and other reports are provided to summarize information about the HIV epidemic in Maryland.

All rates are per 100,000 population.

#### HIV Diagnoses

During 2020, there were 29 reported HIV diagnoses in the Southern Region. The Southern Region includes Calvert County, Charles County, and Saint Mary's County. Data presented below describe HIV diagnoses in the Southern Region, among people age 13 years and older, during 2020.

- Geographic distribution: Charles County accounted for the highest number (19, 65.5%) and the highest rate (13.9) of HIV diagnoses.
- Age: Persons aged 20-29 years accounted for the highest number (13, 44.8%) and the highest rate (27.9) of HIV diagnoses.
- Sex at Birth: Males accounted for the highest number (23, 79.3%) of HIV diagnoses. The rate among males was 15.2 and 3.8 among females.
- Race/Ethnicity: Non-Hispanic Black people accounted for the highest number (23, 79.3%) and the highest rate (24.8) of HIV diagnoses.
- Exposure Category: Male-to-male sexual contact accounted for the highest number (18, 60.7%) of diagnoses.

#### People Living with Diagnosed HIV

At the end of 2020, there were 943 people living with diagnosed HIV in the Southern Region. Data presented below describe people living with diagnosed HIV, aged 13 years and older, in the Southern Region.

- Geographic distribution: Charles County accounted for the highest number (646, 68.5%) of people living with diagnosed HIV and the highest rate (471.6).
- Age: Persons aged 40-59 years accounted for the highest number (469, 49.7%) of people living with diagnosed HIV. The highest rate was among 50-59-year-olds (496.3).
- Sex at Birth: Males accounted for the highest number (635, 67.3%) of people living with diagnosed HIV. The rate among males was 420.2 and 193.1 among females.
- Race/Ethnicity: Non-Hispanic Black people accounted for the highest number (688, 73.0%) of the people living with diagnosed HIV and the highest rate (741.8).
- Exposure Category: Male-to-male sexual contact accounted for the highest number (435, 46.1%) of the total people living with diagnosed HIV.

#### Engagement in HIV Care

- HIV diagnosed: Among people living with HIV in the Southern Region, it is estimated that 92.9 percent have been diagnosed and an estimated 72 people with HIV remain undiagnosed.
- Linked to care: During 2020, 79.3 percent of reported HIV diagnoses were linked to HIV care within one month of their HIV diagnosis.
- Retained in care: Among people living with diagnosed HIV, 78.7 percent were retained in care during 2020.
- Viral suppression: In 2020, 69.3 percent of people living with diagnosed HIV achieved viral suppression.

## Technical Notes

### HIV/AIDS Reporting

The Maryland HIV/AIDS Reporting Act of 2007 requires that people living with diagnosed HIV be reported by name to MDH. As per the reporting requirements of Health-General Articles 18-201.1, 18-202.1, and 18-205 of the Annotated Code of Maryland, as specified in the Code of Maryland Regulations (COMAR) 10.18.02, physicians are required to report patients in their care with diagnoses of HIV or AIDS and infants born to mothers living with HIV, clinical and infection control practitioners in medical and correctional facilities are required to report patients in the care of the institution with diagnoses of HIV or AIDS, and laboratory directors are required to report all HIV diagnostic and HIV-related monitoring test results, including HIV negative test results.

### Data Specifications

Surveillance is the ongoing systematic collection, analysis, interpretation, and dissemination of data. Data are collected on all people with HIV who were residents of the state of Maryland or received HIV care in Maryland. Data are presented for people who were Maryland residents at the time of their HIV diagnosis in 2020 and for people who were living with HIV and were current residents of Maryland as of December 31, 2020.

Data presented were reported to the MDH through June 30, 2021. Reported new diagnoses and estimates of people living with diagnosed HIV are as of December 31, 2020.

This report presents data with a six-month reporting delay. This lag allows for time to report case and laboratory data and to complete investigations. Due to reporting delays, estimates by exposure category and mortality are preliminary.

Please read all table titles and footnotes carefully to ensure a complete understanding of the displayed data. A glossary of terms is also available.

### COVID-19 and HIV Surveillance Data

Data for 2020 should be interpreted with caution due to the impact of the Coronavirus Disease 2019 (COVID-19) pandemic on access to HIV testing and care-related services.

The following HIV morbidity estimates may have been affected by the COVID-19 pandemic in 2020.

- Incidence (new HIV infections or transmissions) estimates might be lower due to significant declines in the number of new HIV diagnoses.
- Declines in HIV diagnoses might not represent declines in new HIV infections, but rather decreases and/or delays in testing or changes in testing modality (e.g., self-testing).
- Caution should be used when interpreting prevalence (people living with HIV) estimates. Fewer HIV diagnoses and more deaths (resulting in lower prevalence) may be due to COVID-19 and not HIV activities.
- Declines in linkage to care, retention in care, and viral suppression estimates may be due to lack of laboratory testing during care visits (e.g., telemedicine) and/or changes in testing modality (e.g., self-testing).

The table below describes year-over-year changes in the aggregate estimates of HIV in Maryland. Important to note, the reporting lag for complete death data is longer than the six months utilized for HIV surveillance data. As a result, the percent change in the number of deaths is considered normal for recent years. Updated mortality estimates will be reflected in future reports.

### Undiagnosed HIV Infections

The Centers for Disease Control and Prevention (CDC), using national surveillance data, estimates that the number of people living with undiagnosed HIV infection, among people living with HIV, is 13.3 percent in the United States.<sup>1</sup> Applying the same estimation method to Maryland surveillance data, the estimated number of

<sup>1</sup>Centers for Disease Control and Prevention. Estimated HIV incidence and prevalence in the United States, 2015–2019. HIV Surveillance Supplemental Report 2021;26(No. 1). <http://www.cdc.gov/hiv/library/reports/hiv-surveillance.html>. Published May 2021. Accessed May 2021.

people living with undiagnosed HIV infection in Maryland is 10.1 percent in 2019.

### AIDS Diagnoses

CD4+ T-lymphocyte tests are measures of a person's immune system function. An adult living with diagnosed HIV is considered to have AIDS if they have less than 200 CD4+ cells per microliter of blood, if the percent of T-Lymphocyte cells that are CD4+ is less than 14 percent, or if a person has been diagnosed with an opportunistic infection.

### Mortality

People are assumed to be alive unless reported as deceased. Caution should be exercised when interpreting mortality estimates for recent years due to delays in reporting of non-AIDS deaths and out-of-state deaths. Most deaths are reported within two years.

### Engagement in HIV Care

Treatment recommendations are that a person in HIV medical care should have their CD4 and viral load levels measured regularly, at least once per year. The presence of these lab tests is used as an indicator that someone has been "linked to care" after diagnosis or is "retained in care."

### Viral Suppression

Viral load tests are measures of the amount of HIV in a person's body. The goal of HIV treatment is to have a low number of copies of virus per milliliter of blood, below what the test can measure, which is called an undetectable level. Low levels of viral load, such as less than 200 copies per milliliter of blood, is known as viral suppression. Estimates of viral suppression among people living with diagnosed HIV are inclusive of people diagnosed in the specified year; therefore, they may not have had sufficient time to engage in HIV care and/or achieve viral suppression.

### Geographic Distribution

Residence at diagnosis is used exclusively to describe new diagnoses. Statistics describing the number of people living with diagnosed HIV use current residence. Current residence numbers are restricted to people for which there is a case report form or laboratory test

reported since January 1, 2009. Restricting address data to recent years presents the most accurate data available and helps to account for people that may have moved out of state whose data would no longer be reported in Maryland. However, current residence data excludes people that may still be residents of Maryland but have not received any HIV care since prior to 2009. In addition, residence is dynamic and people living with diagnosed HIV may have resided at multiple addresses that cannot all be represented in single time point estimates.

### Residents of Correctional Facilities

New diagnoses of HIV and people living with diagnosed HIV who were reported to be residing in local jails or detention centers are presented, whenever possible, as residing at their home address. New diagnoses of HIV and people living with diagnosed HIV who were reported to be residing in a state or federal prison in Maryland are presented as residing in a separate "Corrections" jurisdiction.

### Gender Identity

This epidemiological profile describes people by gender identity. Gender identity is one's internal understanding of one's own gender or the gender with which a person identifies. Historically, it has been difficult to present data by gender identity. No reliable system exists for collecting or reporting gender identity and some agencies do not collect or have complete data on gender identity. This report is likely underreporting the number gender diverse people (defined as people who have a gender identity or gender expression that differs from their assigned sex at birth) living with diagnosed HIV because of challenges in accurately identifying and reporting gender identity in HIV surveillance.

### Race/Ethnicity

The completeness of reporting for race/ethnicity is variable in surveillance data. Definitions of race/ethnicity categories may vary across reporting sources and some reporting sources do not collect or have complete data on race/ethnicity.

### Country of Birth

The completeness of reporting a person's country of birth is variable in surveillance data. Not all reporting

sources collect or have complete data on nativity. In addition, some individuals may immigrate to the United States with HIV. HIV testing data from other countries is often unavailable for these people; therefore, they are counted as a new diagnosis following their first HIV related lab test in the United States, even if they were first diagnosed elsewhere.

#### HIV Exposure Categories

The CDC developed a hierarchy of exposure categories for surveillance purposes. Persons with more than one reported risk factor are classified in the exposure category listed first in the hierarchy and therefore counted only once. Men who report a history of sexual contact with other men and report injection drug use constitutes a separate transmission category.

#### Sources of Data

Information on HIV and AIDS diagnoses, including residence, age, race/ethnicity, sex at birth, gender identity, country of birth, vital status, HIV exposure category, and CD4 and HIV viral load test results are from MDH's Enhanced HIV/AIDS Reporting System (eHARS), as of June 30, 2021.

Population data by sex, age, and race/ethnicity are from the July 1, 2020 United States Census Estimates. Population data by country-of-birth are from the Census Bureau's 2019 American Community Survey. This produces a difference in total population due to the different source. Due to estimation limitations, some population totals may not equal the sum of its components. When needed, age groups were divided by assuming uniform age distribution within the age group.

Non-Hispanic multiple race and Non-Hispanic other race from the Census were combined into one group.

#### Tabulation of Column Totals

Numbers in figures, tables and generally in the text have been rounded. Discrepancies in tables between totals and sums of components are due to rounding.

#### Data Suppression

In order to protect the confidentiality of people living with HIV, data are suppressed in the following instances:

- Data describing a demographic group or geographic area (e.g. ZIP code) with a population less than 1,000 people.
- All clinical/laboratory information if it is describing less than five people.
- If any cell is suppressed, additional cells are also suppressed as necessary to prevent back calculation of the suppressed cell(s).

Tables presenting clinical/laboratory information for reported new diagnoses by ZIP code will present only ZIP codes with at least five people. Exposure/risk data is not suppressed due to statistical adjustments resulting in the presentation of estimated or probable risk.

#### Multiple Imputation

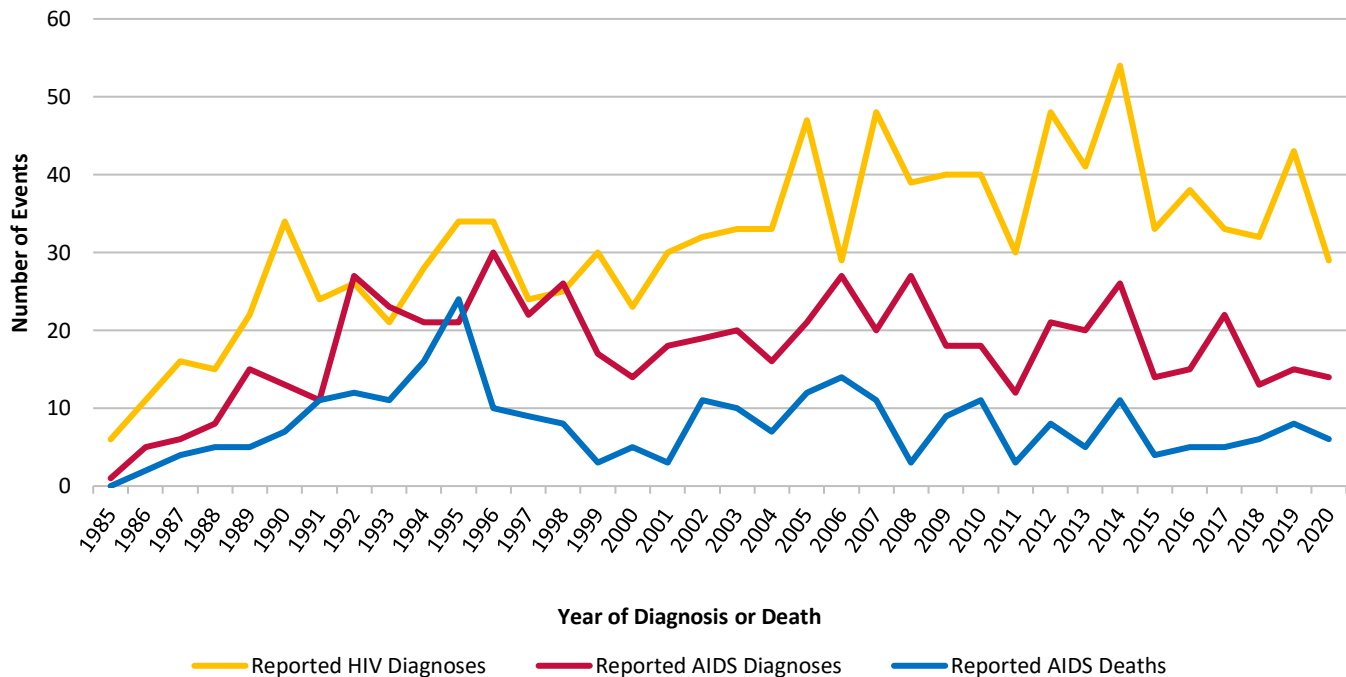
Not all exposure data is reported and is therefore missing in some instances. Multiple imputation is a statistical method by which missing exposure categories are replaced with estimated or probable exposure categories. Perinatal transmission and other exposure categories are never estimated or adjusted and depict the reported exposure category.



## Section II – Trends 1985-2020

**Figure 1 – Trends in Reported HIV and AIDS Diagnoses and Deaths, among Residents at Diagnosis, 1985-2020, Reported through June 30, 2021**

People Diagnosed with HIV (Reported HIV Diagnoses) by Year of HIV Diagnosis, People Diagnosed with HIV with an AIDS Diagnosis (Reported AIDS Diagnoses) by Year of AIDS Diagnosis, and People Diagnosed with HIV with an AIDS Diagnosis Reported to have Died of Any Cause (Reported AIDS Deaths) by Year of Death, from 1985 through 2020, as Reported through June 30, 2021



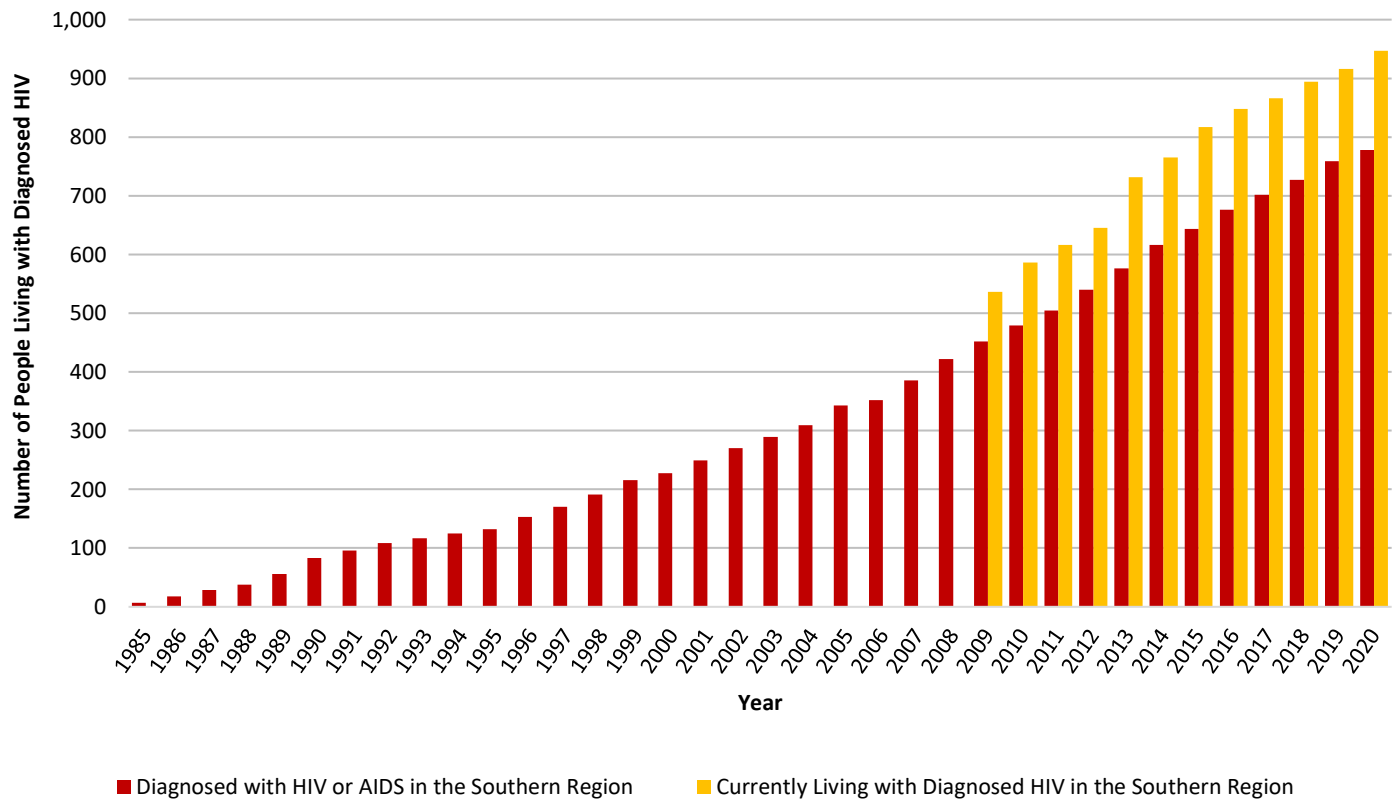
Year of Diagnosis or Death	Reported HIV Diagnoses	Reported AIDS Diagnoses	Reported AIDS Deaths	Year of Diagnosis or Death	Reported HIV Diagnoses	Reported AIDS Diagnoses	Reported AIDS Deaths
<1985	2	1	1	2003	33	20	10
1985	6	1	0	2004	33	16	7
1986	11	5	2	2005	47	21	12
1987	16	6	4	2006	29	27	14
1988	15	8	5	2007	48	20	11
1989	22	15	5	2008	39	27	3
1990	34	13	7	2009	40	18	9
1991	24	11	11	2010	40	18	11
1992	26	27	12	2011	30	12	3
1993	21	23	11	2012	48	21	8
1994	28	21	16	2013	41	20	5
1995	34	21	24	2014	54	26	11
1996	34	30	10	2015	33	14	4
1997	24	22	9	2016	38	15	5
1998	25	26	8	2017	33	22	5
1999	30	17	3	2018	32	13	6
2000	23	14	5	2019*	43	15	8
2001	30	18	3	2020*	29	14	6
2002	32	19	11	<b>Total</b>	<b>1,127</b>	<b>637</b>	<b>285</b>

\*2019-2020 reported AIDS deaths are preliminary

Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

**Figure 2 – Trends in People Living with Diagnosed HIV, among Residents at Diagnosis, 1985-2020, Reported through June 30, 2021**

People Living with Diagnosed HIV in the Southern Region and Not Reported to have Died as of December 31st of Each Year (People who were Diagnosed with HIV or AIDS in the Southern Region and/or People who are Currently Living with Diagnosed HIV in the Southern Region from 1985 through 2020, as Reported through June 30, 2021)

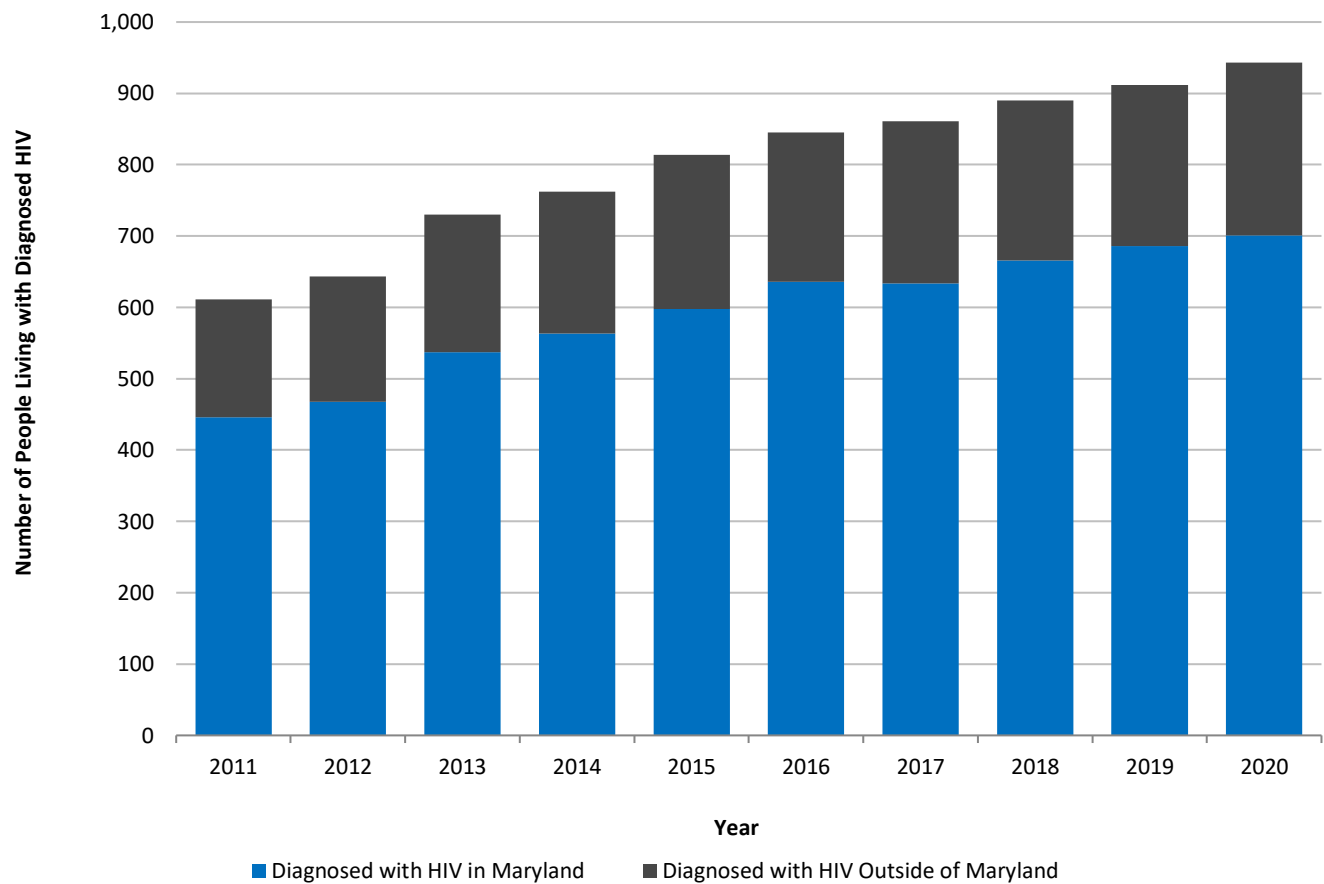


People Living with Diagnosed HIV			People Living with Diagnosed HIV		
Year	Diagnosed with HIV or AIDS in the Southern Region	Current Residents	Year	Diagnosed with HIV or AIDS in the Southern Region	Current Residents
1985	7	--	2003	289	--
1986	18	--	2004	309	--
1987	29	--	2005	343	--
1988	38	--	2006	352	--
1989	56	--	2007	386	--
1990	83	--	2008	422	--
1991	96	--	2009	452	536
1992	109	--	2010	479	586
1993	117	--	2011	505	616
1994	125	--	2012	540	645
1995	132	--	2013	576	732
1996	153	--	2014	616	765
1997	170	--	2015	644	817
1998	191	--	2016	676	848
1999	216	--	2017	702	866
2000	228	--	2018	727	894
2001	249	--	2019	759	916
2002	270	--	2020	778	947

Note. Current residence for people living with diagnosed HIV is unavailable prior to 2009.

**Figure 3 – Trends in People Aged 13+ Living with Diagnosed HIV, among Current Residents, 2011-2020, Reported through June 30, 2021**

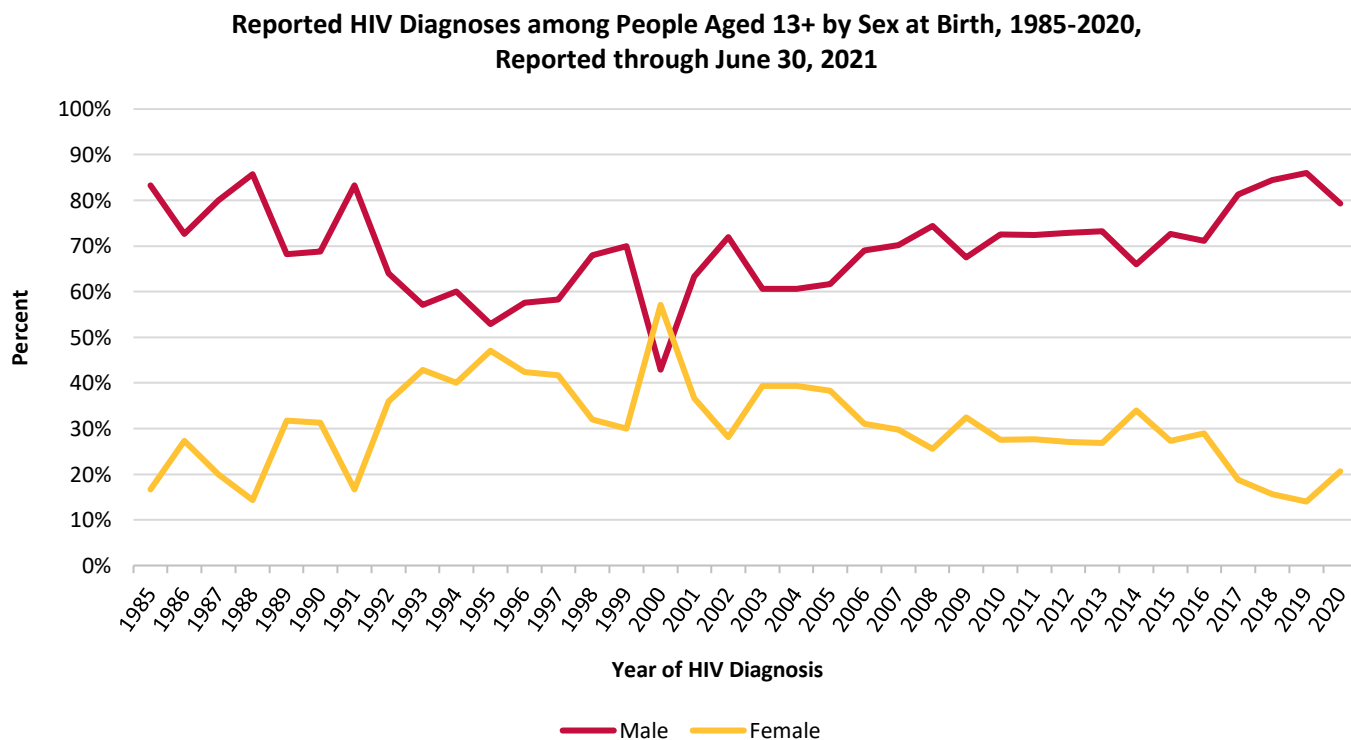
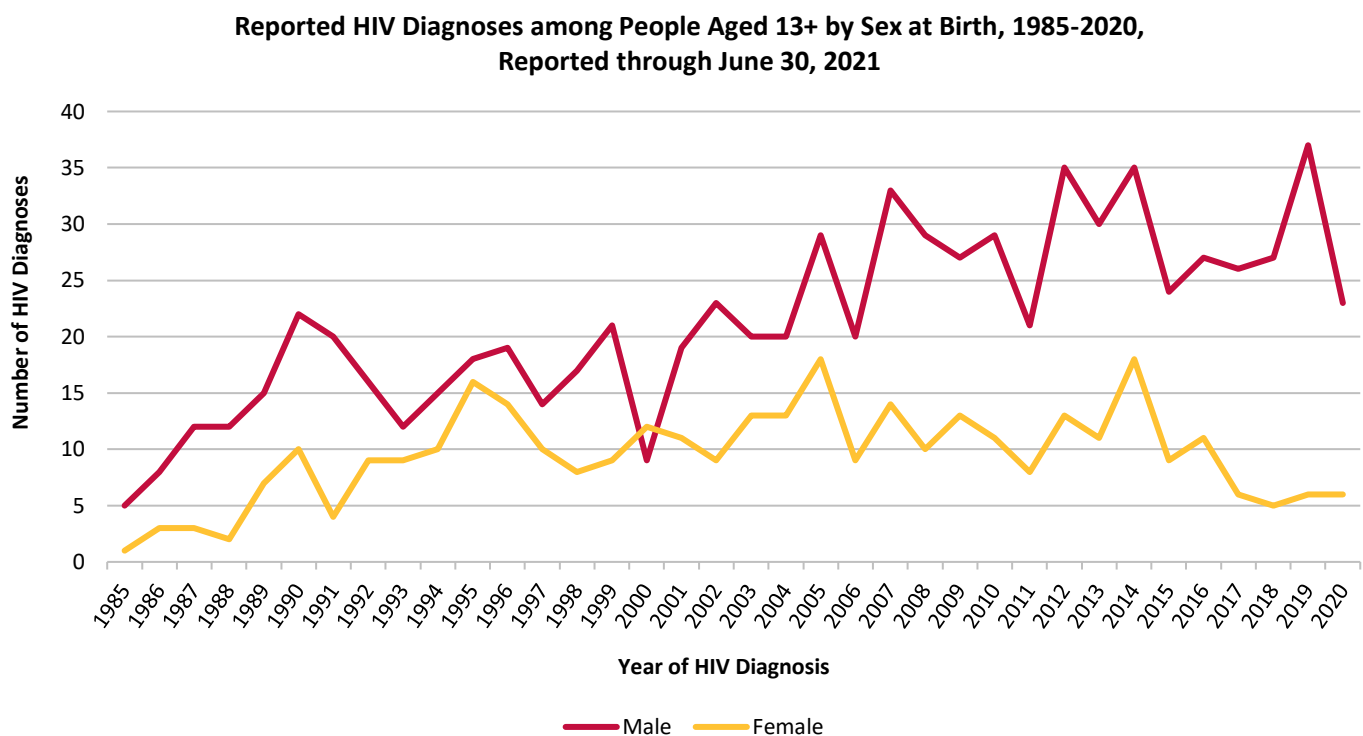
People Living with Diagnosed HIV in the Southern Region and Not Reported to have Died as of December 31<sup>st</sup> of Each Year from 2011 through 2020, as Reported through June 30, 2021



Year	Population Aged 13+	Southern Region Residents Aged 13+ as of December 31st of the Specified Year				Rate
		Diagnosed with HIV in Maryland	Diagnosed with HIV Outside of Maryland	Total		
2011	284,283	446	165	611		214.9
2012	287,774	468	175	643		223.4
2013	291,342	537	193	730		250.6
2014	294,126	563	199	762		259.1
2015	296,684	598	216	814		274.4
2016	299,642	636	209	845		282.0
2017	302,566	634	227	861		284.6
2018	305,737	666	224	890		291.1
2019	308,586	686	226	912		295.5
2020	310,599	701	242	943		303.6

**Figure 4 – Trends in Reported HIV Diagnoses, among Residents at Diagnosis Aged 13+, by Sex at Birth, 1985-2020, Reported through June 30, 2021**

Number and Percent by Sex at Birth of People Diagnosed with HIV, Aged 13+ at HIV Diagnosis, by Year of HIV Diagnosis from 1985 through 2020, as Reported through June 30, 2021

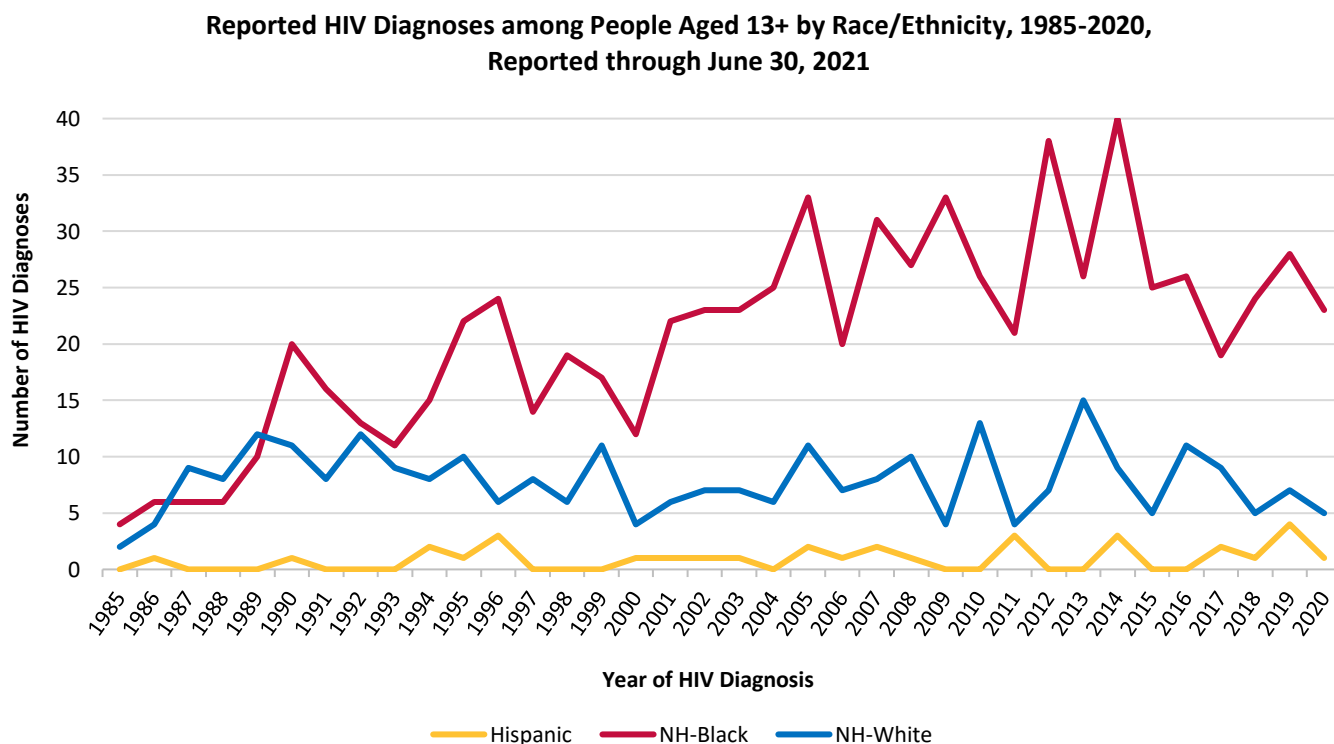
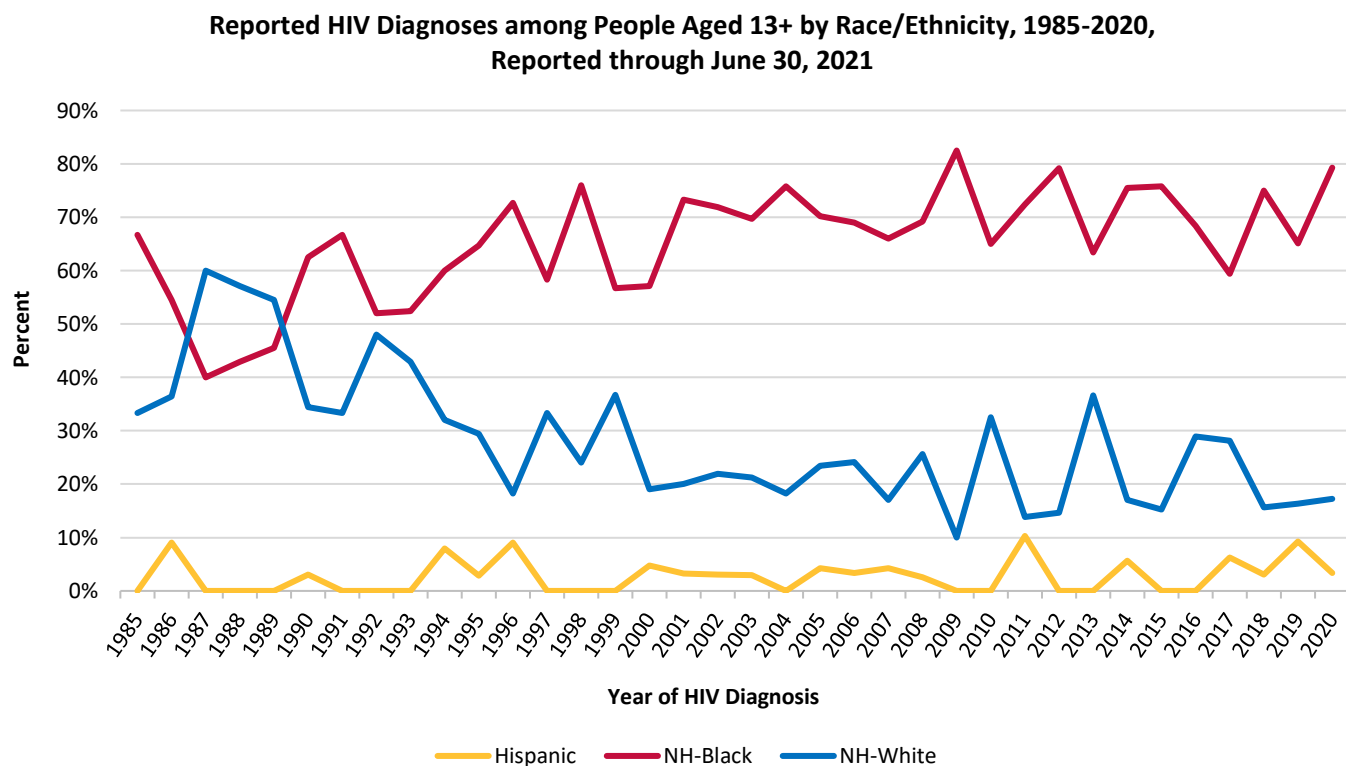


Reported HIV Diagnoses among People Aged 13+					
Year of HIV Diagnosis	Number	Sex at Birth			
		Male		Female	
		Number	Percent	Number	Percent
<1985	2	2	100.0%	0	0.0%
1985	6	5	83.3%	1	16.7%
1986	11	8	72.7%	3	27.3%
1987	15	12	80.0%	3	20.0%
1988	14	12	85.7%	2	14.3%
1989	22	15	68.2%	7	31.8%
1990	32	22	68.8%	10	31.3%
1991	24	20	83.3%	4	16.7%
1992	25	16	64.0%	9	36.0%
1993	21	12	57.1%	9	42.9%
1994	25	15	60.0%	10	40.0%
1995	34	18	52.9%	16	47.1%
1996	33	19	57.6%	14	42.4%
1997	24	14	58.3%	10	41.7%
1998	25	17	68.0%	8	32.0%
1999	30	21	70.0%	9	30.0%
2000	21	9	42.9%	12	57.1%
2001	30	19	63.3%	11	36.7%
2002	32	23	71.9%	9	28.1%
2003	33	20	60.6%	13	39.4%
2004	33	20	60.6%	13	39.4%
2005	47	29	61.7%	18	38.3%
2006	29	20	69.0%	9	31.0%
2007	47	33	70.2%	14	29.8%
2008	39	29	74.4%	10	25.6%
2009	40	27	67.5%	13	32.5%
2010	40	29	72.5%	11	27.5%
2011	29	21	72.4%	8	27.6%
2012	48	35	72.9%	13	27.1%
2013	41	30	73.2%	11	26.8%
2014	53	35	66.0%	18	34.0%
2015	33	24	72.7%	9	27.3%
2016	38	27	71.1%	11	28.9%
2017	32	26	81.3%	6	18.8%
2018	32	27	84.4%	5	15.6%
2019	43	37	86.0%	6	14.0%
2020	29	23	79.3%	6	20.7%
Total	1,112	771	69.3%	341	30.7%

Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

**Figure 5 – Trends in Reported HIV Diagnoses, among Residents at Diagnosis Aged 13+, by Race/Ethnicity, 1985-2020, Reported through June 30, 2021**

Number and Percent by Race/Ethnicity of People Diagnosed with HIV, Aged 13+ at HIV Diagnosis, by Year of HIV Diagnosis from 1985 through 2020, as Reported through June 30, 2021



Non-Hispanic Other people not shown

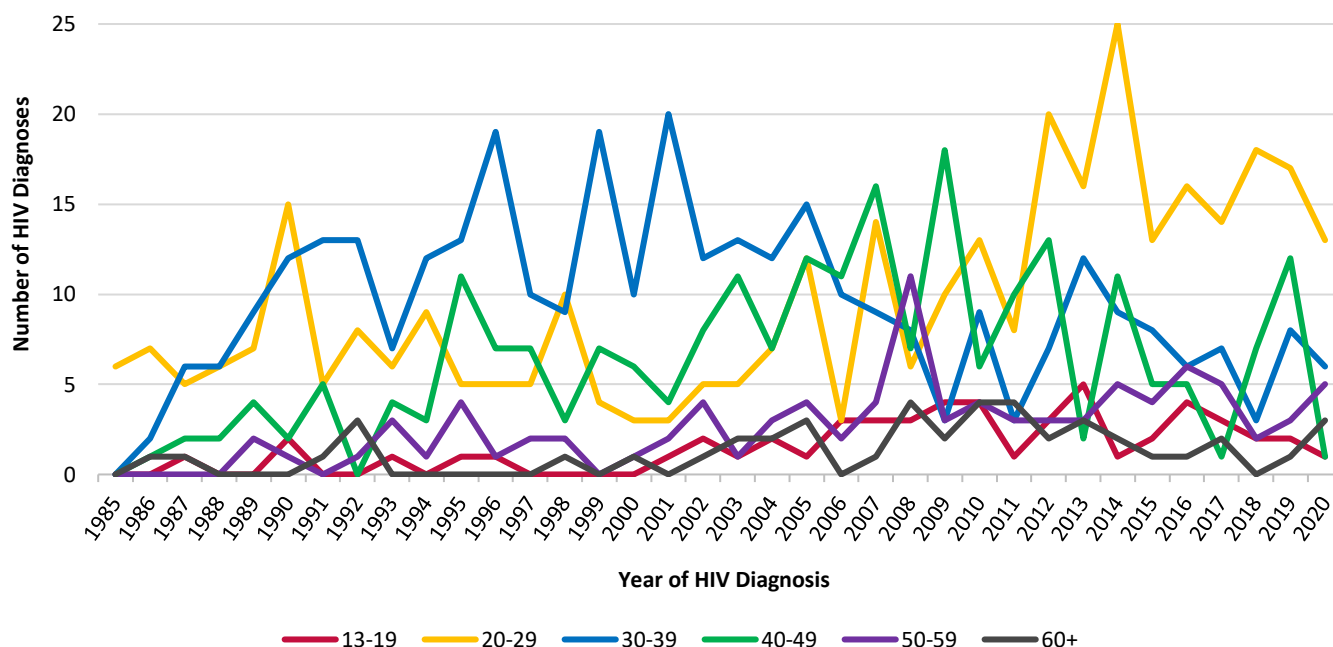
Reported HIV Diagnoses among People Aged 13+									
Year of HIV Diagnosis	No.	Race/Ethnicity							
		Hispanic		Non-Hispanic Black, only		Non-Hispanic White, only		Non-Hispanic Other Race	
		No.	%	No.	%	No.	%	No.	%
<1985	2	0	0.0%	1	50.0%	1	50.0%	0	0.0%
1985	6	0	0.0%	4	66.7%	2	33.3%	0	0.0%
1986	11	1	9.1%	6	54.5%	4	36.4%	0	0.0%
1987	15	0	0.0%	6	40.0%	9	60.0%	0	0.0%
1988	14	0	0.0%	6	42.9%	8	57.1%	0	0.0%
1989	22	0	0.0%	10	45.5%	12	54.5%	0	0.0%
1990	32	1	3.1%	20	62.5%	11	34.4%	0	0.0%
1991	24	0	0.0%	16	66.7%	8	33.3%	0	0.0%
1992	25	0	0.0%	13	52.0%	12	48.0%	0	0.0%
1993	21	0	0.0%	11	52.4%	9	42.9%	1	4.8%
1994	25	2	8.0%	15	60.0%	8	32.0%	0	0.0%
1995	34	1	2.9%	22	64.7%	10	29.4%	1	2.9%
1996	33	3	9.1%	24	72.7%	6	18.2%	0	0.0%
1997	24	0	0.0%	14	58.3%	8	33.3%	2	8.3%
1998	25	0	0.0%	19	76.0%	6	24.0%	0	0.0%
1999	30	0	0.0%	17	56.7%	11	36.7%	2	6.7%
2000	21	1	4.8%	12	57.1%	4	19.0%	4	19.0%
2001	30	1	3.3%	22	73.3%	6	20.0%	1	3.3%
2002	32	1	3.1%	23	71.9%	7	21.9%	1	3.1%
2003	33	1	3.0%	23	69.7%	7	21.2%	2	6.1%
2004	33	0	0.0%	25	75.8%	6	18.2%	2	6.1%
2005	47	2	4.3%	33	70.2%	11	23.4%	1	2.1%
2006	29	1	3.4%	20	69.0%	7	24.1%	1	3.4%
2007	47	2	4.3%	31	66.0%	8	17.0%	6	12.8%
2008	39	1	2.6%	27	69.2%	10	25.6%	1	2.6%
2009	40	0	0.0%	33	82.5%	4	10.0%	3	7.5%
2010	40	0	0.0%	26	65.0%	13	32.5%	1	2.5%
2011	29	3	10.3%	21	72.4%	4	13.8%	1	3.4%
2012	48	0	0.0%	38	79.2%	7	14.6%	3	6.3%
2013	41	0	0.0%	26	63.4%	15	36.6%	0	0.0%
2014	53	3	5.7%	40	75.5%	9	17.0%	1	1.9%
2015	33	0	0.0%	25	75.8%	5	15.2%	3	9.1%
2016	38	0	0.0%	26	68.4%	11	28.9%	1	2.6%
2017	32	2	6.3%	19	59.4%	9	28.1%	2	6.3%
2018	32	1	3.1%	24	75.0%	5	15.6%	2	6.3%
2019	43	4	9.3%	28	65.1%	7	16.3%	4	9.3%
2020	29	1	3.4%	23	79.3%	5	17.2%	0	0.0%
Total	1,112	32	2.9%	749	67.4%	285	25.6%	46	4.1%

Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

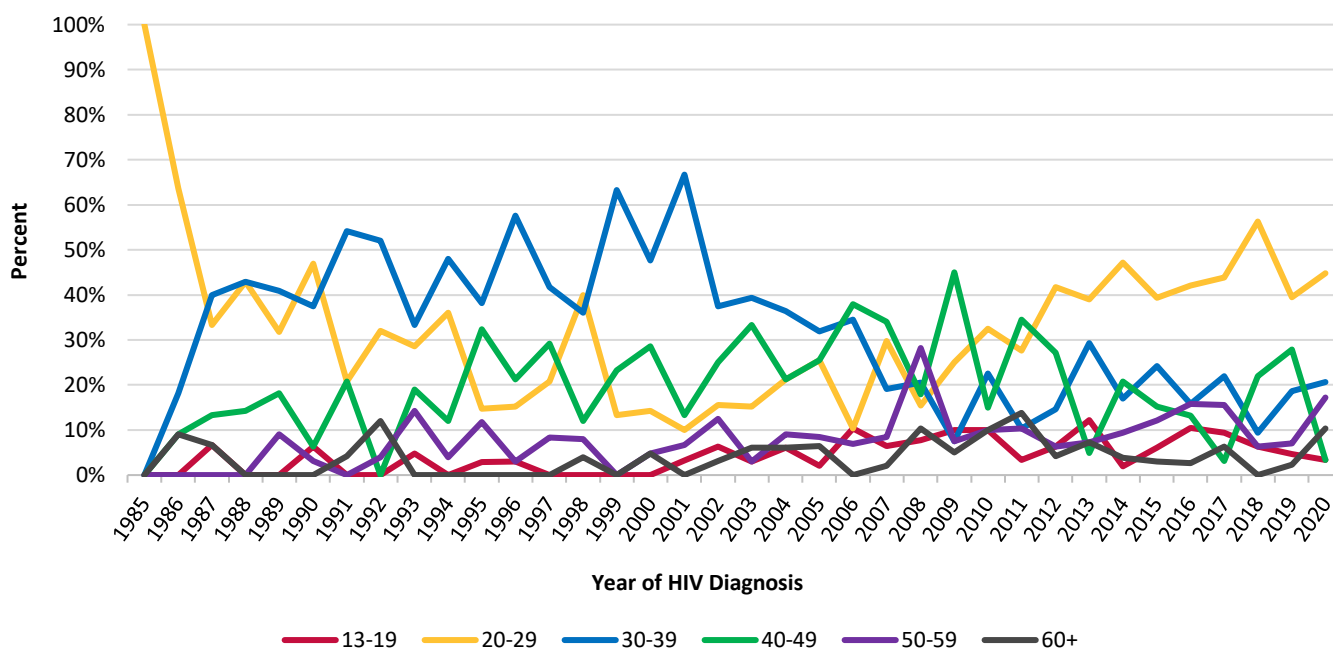
**Figure 6 – Trends in Reported HIV Diagnoses, among Residents at Diagnosis Aged 13+, by Age at HIV Diagnosis, 1985-2020, Reported through June 30, 2021**

Number and Percent by Age at HIV Diagnosis of People Diagnosed with HIV, Aged 13+ at HIV Diagnosis, by Year of HIV Diagnosis from 1985 through 2020, as Reported through June 30, 2021

**Reported HIV Diagnoses among People Aged 13+ by Age at Diagnosis, 1985-2020, Reported through June 30, 2021**



**Reported HIV Diagnoses among People Aged 13+ by Age at Diagnosis, 1985-2020, Reported through June 30, 2021**



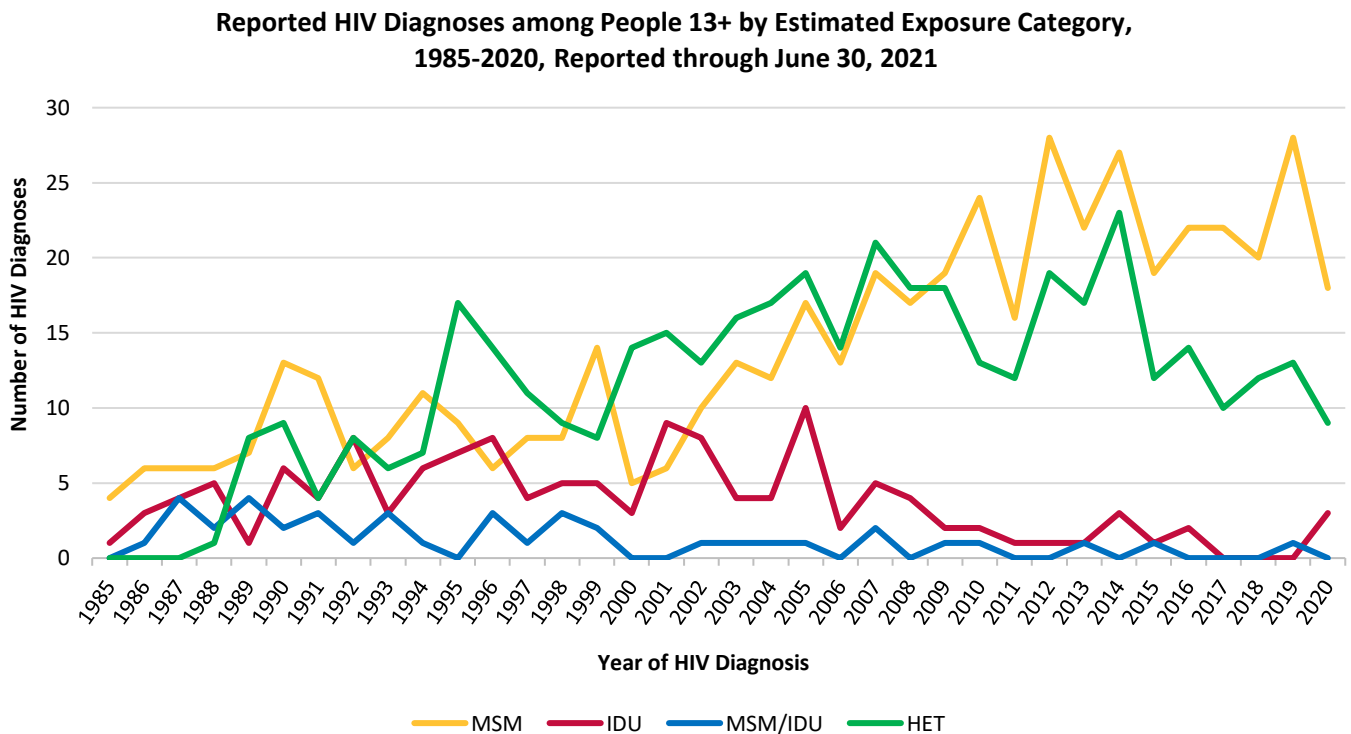
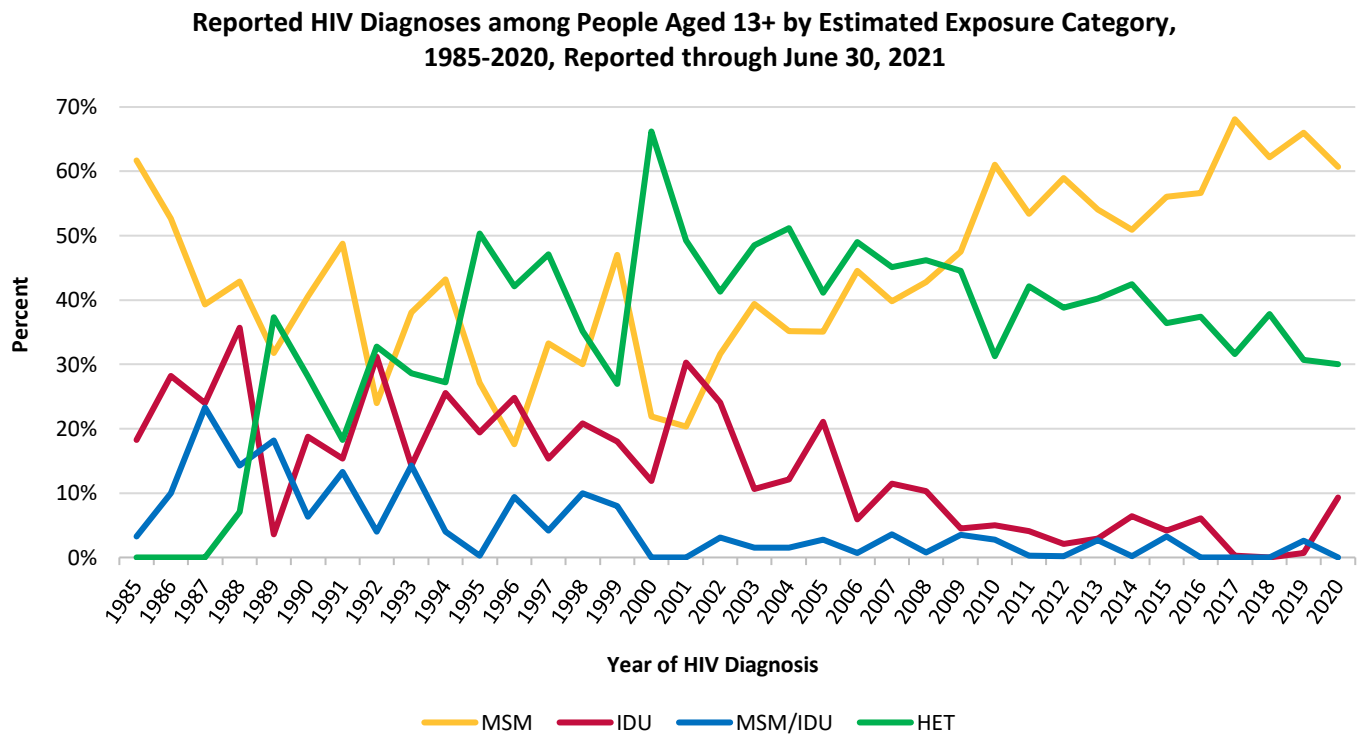


Year of HIV Diagnosis	Reported HIV Diagnoses among People Aged 13+												
	No.	Age at HIV Diagnosis											
		13-19		20-29		30-39		40-49		50-59		60+	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
<1985	2	1	50.0%	0	0.0%	0	0.0%	1	50.0%	0	0.0%	0	0.0%
1985	6	0	0.0%	6	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
1986	11	0	0.0%	7	63.6%	2	18.2%	1	9.1%	0	0.0%	1	9.1%
1987	15	1	6.7%	5	33.3%	6	40.0%	2	13.3%	0	0.0%	1	6.7%
1988	14	0	0.0%	6	42.9%	6	42.9%	2	14.3%	0	0.0%	0	0.0%
1989	22	0	0.0%	7	31.8%	9	40.9%	4	18.2%	2	9.1%	0	0.0%
1990	32	2	6.3%	15	46.9%	12	37.5%	2	6.3%	1	3.1%	0	0.0%
1991	24	0	0.0%	5	20.8%	13	54.2%	5	20.8%	0	0.0%	1	4.2%
1992	25	0	0.0%	8	32.0%	13	52.0%	0	0.0%	1	4.0%	3	12.0%
1993	21	1	4.8%	6	28.6%	7	33.3%	4	19.0%	3	14.3%	0	0.0%
1994	25	0	0.0%	9	36.0%	12	48.0%	3	12.0%	1	4.0%	0	0.0%
1995	34	1	2.9%	5	14.7%	13	38.2%	11	32.4%	4	11.8%	0	0.0%
1996	33	1	3.0%	5	15.2%	19	57.6%	7	21.2%	1	3.0%	0	0.0%
1997	24	0	0.0%	5	20.8%	10	41.7%	7	29.2%	2	8.3%	0	0.0%
1998	25	0	0.0%	10	40.0%	9	36.0%	3	12.0%	2	8.0%	1	4.0%
1999	30	0	0.0%	4	13.3%	19	63.3%	7	23.3%	0	0.0%	0	0.0%
2000	21	0	0.0%	3	14.3%	10	47.6%	6	28.6%	1	4.8%	1	4.8%
2001	30	1	3.3%	3	10.0%	20	66.7%	4	13.3%	2	6.7%	0	0.0%
2002	32	2	6.3%	5	15.6%	12	37.5%	8	25.0%	4	12.5%	1	3.1%
2003	33	1	3.0%	5	15.2%	13	39.4%	11	33.3%	1	3.0%	2	6.1%
2004	33	2	6.1%	7	21.2%	12	36.4%	7	21.2%	3	9.1%	2	6.1%
2005	47	1	2.1%	12	25.5%	15	31.9%	12	25.5%	4	8.5%	3	6.4%
2006	29	3	10.3%	3	10.3%	10	34.5%	11	37.9%	2	6.9%	0	0.0%
2007	47	3	6.4%	14	29.8%	9	19.1%	16	34.0%	4	8.5%	1	2.1%
2008	39	3	7.7%	6	15.4%	8	20.5%	7	17.9%	11	28.2%	4	10.3%
2009	40	4	10.0%	10	25.0%	3	7.5%	18	45.0%	3	7.5%	2	5.0%
2010	40	4	10.0%	13	32.5%	9	22.5%	6	15.0%	4	10.0%	4	10.0%
2011	29	1	3.4%	8	27.6%	3	10.3%	10	34.5%	3	10.3%	4	13.8%
2012	48	3	6.3%	20	41.7%	7	14.6%	13	27.1%	3	6.3%	2	4.2%
2013	41	5	12.2%	16	39.0%	12	29.3%	2	4.9%	3	7.3%	3	7.3%
2014	53	1	1.9%	25	47.2%	9	17.0%	11	20.8%	5	9.4%	2	3.8%
2015	33	2	6.1%	13	39.4%	8	24.2%	5	15.2%	4	12.1%	1	3.0%
2016	38	4	10.5%	16	42.1%	6	15.8%	5	13.2%	6	15.8%	1	2.6%
2017	32	3	9.4%	14	43.8%	7	21.9%	1	3.1%	5	15.6%	2	6.3%
2018	32	2	6.3%	18	56.3%	3	9.4%	7	21.9%	2	6.3%	0	0.0%
2019	43	2	4.7%	17	39.5%	8	18.6%	12	27.9%	3	7.0%	1	2.3%
2020	29	1	3.4%	13	44.8%	6	20.7%	1	3.4%	5	17.2%	3	10.3%
Total	1,112	55	4.9%	344	30.9%	340	30.6%	232	20.9%	95	8.5%	46	4.1%

Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

**Figure 7 – Trends in Reported HIV Diagnoses, among Residents at Diagnosis Aged 13+, by Estimated Exposure Category, 1985-2020, Reported through June 30, 2021**

Number and Percent by Estimated Exposure Category<sup>§</sup> of People Diagnosed with HIV, Aged 13+ at HIV Diagnosis, by Year of HIV Diagnosis from 1985 through 2020, as Reported through June 30, 2021



Other exposure category not shown

§ Multiple imputation was used to estimate and adjust for missing exposure category.

Year of HIV Diagnosis	Reported HIV Diagnoses among People Aged 13+											
	No.	% with No Reported Exposure <sup>‡</sup>	Estimated Exposure Category <sup>§</sup>									
			MSM		IDU		MSM/IDU		HET		Other Exposure	
			No.	%	No.	%	No.	%	No.	%	No.	%
<1985	2	0.0%	2	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
1985	6	16.7%	4	61.7%	1	18.3%	0	3.3%	0	0.0%	1	16.7%
1986	11	9.1%	6	52.7%	3	28.2%	1	10.0%	0	0.0%	1	9.1%
1987	15	13.3%	6	39.3%	4	24.0%	4	23.3%	0	0.0%	2	13.3%
1988	14	0.0%	6	42.9%	5	35.7%	2	14.3%	1	7.1%	0	0.0%
1989	22	4.5%	7	31.8%	1	3.6%	4	18.2%	8	37.3%	2	9.1%
1990	32	3.1%	13	40.6%	6	18.8%	2	6.3%	9	28.1%	2	6.3%
1991	24	8.3%	12	48.8%	4	15.4%	3	13.3%	4	18.3%	1	4.2%
1992	25	4.0%	6	24.0%	8	31.2%	1	4.0%	8	32.8%	2	8.0%
1993	21	0.0%	8	38.1%	3	14.3%	3	14.3%	6	28.6%	1	4.8%
1994	25	8.0%	11	43.2%	6	25.6%	1	4.0%	7	27.2%	0	0.0%
1995	34	8.8%	9	27.1%	7	19.4%	0	0.3%	17	50.3%	1	2.9%
1996	33	18.2%	6	17.6%	8	24.8%	3	9.4%	14	42.1%	2	6.1%
1997	24	4.2%	8	33.3%	4	15.4%	1	4.2%	11	47.1%	0	0.0%
1998	25	24.0%	8	30.0%	5	20.8%	3	10.0%	9	35.2%	1	4.0%
1999	30	16.7%	14	47.0%	5	18.0%	2	8.0%	8	27.0%	0	0.0%
2000	21	19.0%	5	21.9%	3	11.9%	0	0.0%	14	66.2%	0	0.0%
2001	30	16.7%	6	20.3%	9	30.3%	0	0.0%	15	49.3%	0	0.0%
2002	32	12.5%	10	31.6%	8	24.1%	1	3.1%	13	41.3%	0	0.0%
2003	33	21.2%	13	39.4%	4	10.6%	1	1.5%	16	48.5%	0	0.0%
2004	33	30.3%	12	35.2%	4	12.1%	1	1.5%	17	51.2%	0	0.0%
2005	47	21.3%	17	35.1%	10	21.1%	1	2.8%	19	41.1%	0	0.0%
2006	29	20.7%	13	44.5%	2	5.9%	0	0.7%	14	49.0%	0	0.0%
2007	47	36.2%	19	39.8%	5	11.5%	2	3.6%	21	45.1%	0	0.0%
2008	39	30.8%	17	42.8%	4	10.3%	0	0.8%	18	46.2%	0	0.0%
2009	40	62.5%	19	47.5%	2	4.5%	1	3.5%	18	44.5%	0	0.0%
2010	40	50.0%	24	61.0%	2	5.0%	1	2.8%	13	31.3%	0	0.0%
2011	29	44.8%	16	53.4%	1	4.1%	0	0.3%	12	42.1%	0	0.0%
2012	48	22.9%	28	59.0%	1	2.1%	0	0.2%	19	38.8%	0	0.0%
2013	41	24.4%	22	54.1%	1	2.9%	1	2.7%	17	40.2%	0	0.0%
2014	53	17.0%	27	50.9%	3	6.4%	0	0.2%	23	42.5%	0	0.0%
2015	33	9.1%	19	56.1%	1	4.2%	1	3.3%	12	36.4%	0	0.0%
2016	38	10.5%	22	56.6%	2	6.1%	0	0.0%	14	37.4%	0	0.0%
2017	32	9.4%	22	68.1%	0	0.3%	0	0.0%	10	31.6%	0	0.0%
2018	32	3.1%	20	62.2%	0	0.0%	0	0.0%	12	37.8%	0	0.0%
2019	43	9.3%	28	66.0%	0	0.7%	1	2.6%	13	30.7%	0	0.0%
2020	29	37.9%	18	60.7%	3	9.3%	0	0.0%	9	30.0%	0	0.0%
Total	1,112	19.9%	503	45.2%	135	12.1%	41	3.7%	421	37.9%	16	1.4%

§ Multiple imputation was used to estimate and adjust for missing transmission category.

<sup>‡</sup>Percent with no reported exposure prior to multiple imputation adjustment.

Note. Discrepancies in the table between total HIV diagnoses and the sums by exposure category are due to less than 1 percent of people missing transmission category after multiple imputation.

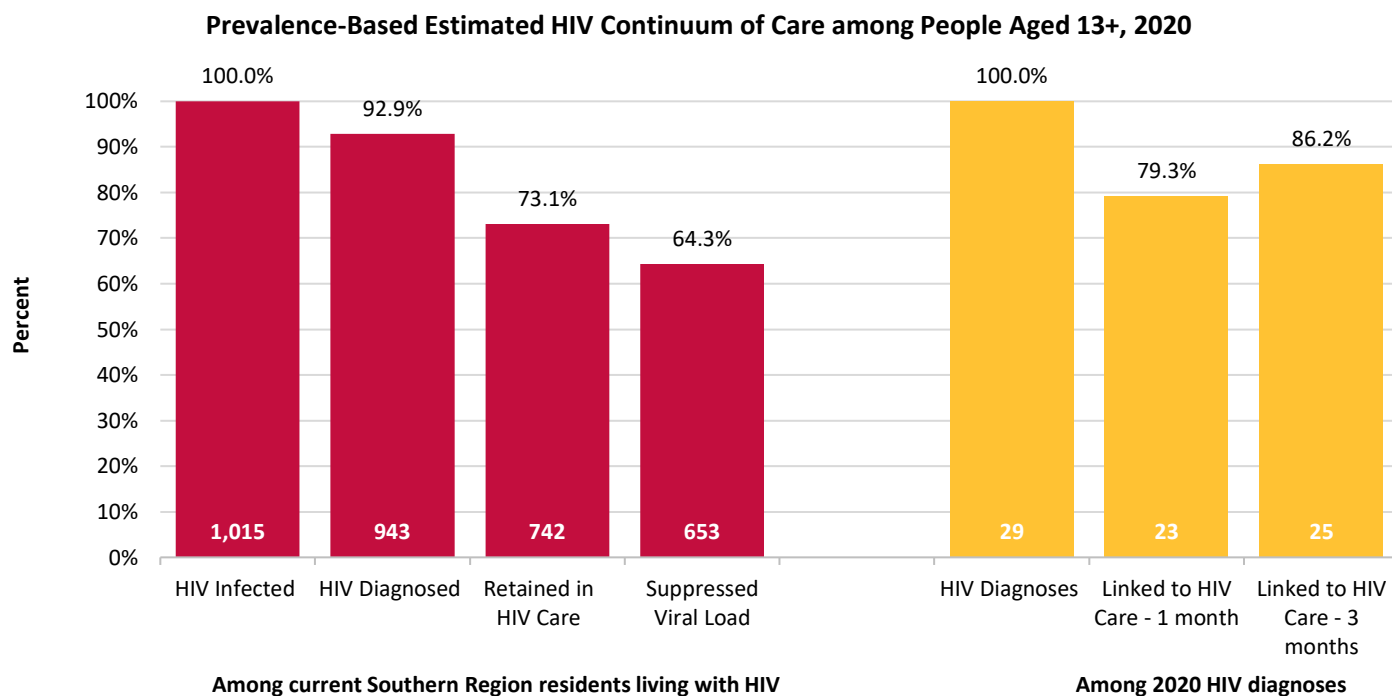
Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

## Section III – Continuum of Care Cascades

In their 2011 article in Clinical Infectious Diseases, Gardner et al.<sup>1</sup> utilize a continuum of care “cascade” to illustrate estimates of the number of persons living with HIV who belong to each of the stages of engagement in HIV care.

**Figure 8 – Prevalence-Based Estimated 2020 HIV Continuum of Care Cascades, among Current Southern Region Residents Aged 13+, Reported through June 30, 2021**

The prevalence-based Southern Region Engagement in HIV Care Cascades (below) apply the CDC CD4 depletion model to Maryland surveillance data, reported through June 30, 2021, to estimate the number of people living with undiagnosed HIV (7.1 percent) and the estimated number of people living with HIV currently residing in the Southern Region. Maryland surveillance data is then used to describe the number and percentage of persons living with HIV in the Southern Region on December 31, 2020 and the number and percentage of new HIV diagnoses in 2020 who belong to each of the stages of engagement in HIV care.



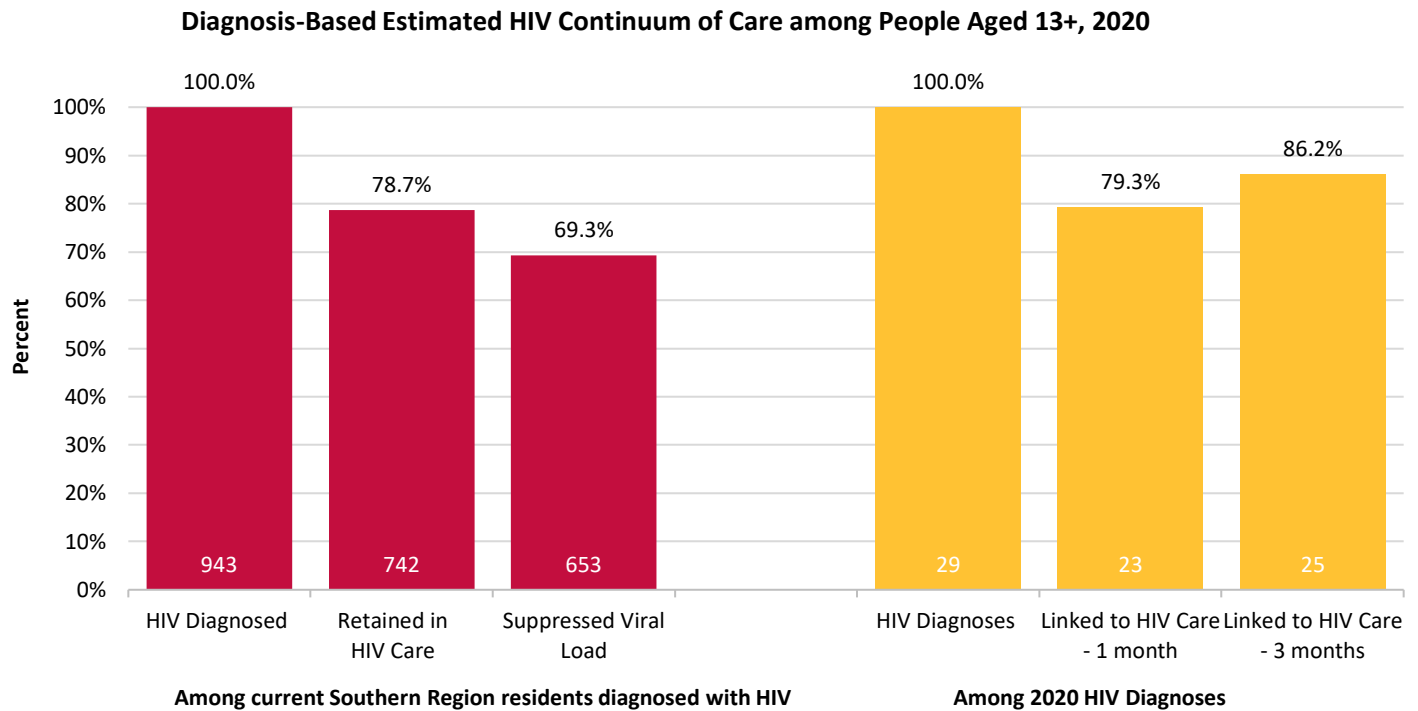
Continuum of Care Stage	People Aged 13+ Living with HIV		Continuum of Care Stage	Reported 2020 HIV Diagnoses	
	Number	Percent		Number	Percent
HIV Infected	1,015	100.0%	New HIV Diagnoses	29	100.0%
HIV Diagnosed	943	92.9%	Linked to HIV Care – 1 Month	23	79.3%
Retained in HIV Care	742	70.2%	Linked to HIV Care – 3 Months	25	86.2%
Suppressed Viral Load	653	61.8%			

Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

<sup>1</sup> Gardner et al, “The Spectrum of Engagement in HIV Care and its Relevance to Test-and-Treat Strategies for Prevention of HIV Infection.” Clin Infect Dis. 2011; 52 (6): 793-800.

**Figure 9 – Diagnosis-Based Estimated 2020 HIV Continuum of Care Cascades, among Current Southern Region Residents Aged 13+, Reported through June 30, 2021**

The diagnosis-based Southern Region Engagement in HIV Care Cascade (below) uses Maryland surveillance data for current Southern Region residents to describe the number and percentage of persons living with diagnosed HIV in the Southern Region on December 31, 2020 and the number and percentage of new HIV diagnoses in 2020 who belong to each of the stages of engagement in HIV care.



Continuum of Care Stage	People Aged 13+ Living with HIV		Continuum of Care Stage	Reported 2020 HIV Diagnoses	
	Number	Percent		Number	Percent
HIV Diagnosed	943	100.0%	New HIV Diagnoses	29	100.0%
Retained in HIV Care	742	78.7%	Linked to HIV Care – 1 Month	23	79.3%
Suppressed Viral Load	653	69.3%	Linked to HIV Care – 3 Months	25	86.2%

Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

## Section IV – By Jurisdiction

**Table 1 – Reported HIV Diagnoses and Reported AIDS Diagnoses, among People Aged 13+ during 2020, by Jurisdiction of Residence at Diagnosis, Reported through June 30, 2021**

Jurisdiction of Residence at Diagnosis	Population Aged 13+	Reported HIV Diagnoses among People Aged 13+			Reported AIDS Diagnoses among People Aged 13+		
		No.	% of Total	Rate	No.	% of Total	Rate
Calvert	78,372	6	20.7%	7.7	2	14.3%	2.6
Charles	136,982	19	65.5%	13.9	9	64.3%	6.6
Saint Mary's	95,244	4	13.8%	4.2	3	21.4%	3.1
<b>Total</b>	<b>310,599</b>	<b>29</b>	<b>100.0%</b>	<b>9.3</b>	<b>14</b>	<b>100.0%</b>	<b>4.5</b>

Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

**Table 2 – Reported HIV Diagnoses, among People Aged 13+ during 2020, Linked to Care, Late Diagnosis, First CD4 Test Result, and Mean Years from HIV Diagnosis by Jurisdiction of Residence at Diagnosis, Reported through June 30, 2021**

Jurisdiction of Residence at HIV Diagnosis	No.	Reported HIV Diagnoses among People Aged 13+				
		Linked to Care		% Late HIV Diagnoses	First CD4 Test Result	
		% 1 month	% 3 months		% with Test	Median Count
Calvert	6	83.3%	83.3%	***	100.0%	323
Charles	19	***	***	***	***	***
Saint Mary's	4	***	***	***	***	***
<b>Total</b>	<b>29</b>	<b>79.3%</b>	<b>86.2%</b>	<b>24.1%</b>	<b>86.2%</b>	<b>373</b>

\*\*\* Data withheld due to low population counts and/or small numbers.

Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

**Table 3 – People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2020, by Jurisdiction of Residence at Diagnosis and Current Residence, Reported through June 30, 2021**

Jurisdiction of Residence	Population Aged 13+	Total People Aged 13+ Living with Diagnosed HIV							
		Residence at Diagnosis				Current Residence			
		No.	% of Total	Rate	Ratio (1 in X)	No.	% of Total	Rate	% Change
Calvert	78,372	116	15.0%	148.0	676	137	14.5%	174.8	18.1%
Charles	136,982	513	66.2%	374.5	267	646	68.5%	471.6	25.9%
Saint Mary's	95,244	146	18.8%	153.3	652	160	17.0%	168.0	9.6%
<b>Total</b>	<b>310,599</b>	<b>775</b>	<b>100.0%</b>	<b>249.5</b>	<b>401</b>	<b>943</b>	<b>100.0%</b>	<b>303.6</b>	<b>21.7%</b>

**Table 4 – CD4 Test Results during 2020 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2020, by Jurisdiction of Current Residence, Reported through June 30, 2021**

Jurisdiction of Current Residence	Total People Aged 13+ Living with Diagnosed HIV							
	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
Calvert	137	111	81.0%	628	7.2%	10.8%	12.6%	69.4%
Charles	646	490	75.9%	676	7.6%	9.0%	13.5%	70.0%
Saint Mary's	160	120	75.0%	609	8.3%	12.5%	17.5%	61.7%
<b>Total</b>	<b>943</b>	<b>721</b>	<b>76.5%</b>	<b>662</b>	<b>7.6%</b>	<b>9.8%</b>	<b>14.0%</b>	<b>68.5%</b>

**Table 5 – Viral Load Test Results during 2020 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2020, by Jurisdiction of Current Residence, Reported through June 30, 2021**

Jurisdiction of Current Residence	Total People Aged 13+ Living with Diagnosed HIV				
	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed Viral Load
Calvert	137	113	82.5%	95.6%	2,990
Charles	646	487	75.4%	90.3%	2,970
Saint Mary's	160	124	77.5%	84.7%	22,200
<b>Total</b>	<b>943</b>	<b>724</b>	<b>76.8%</b>	<b>90.2%</b>	<b>3,610</b>

## Section V – By Age

**Table 6 – Reported HIV Diagnoses during 2020, Linked to Care, Late Diagnosis, and First CD4 Test Result by Age at HIV Diagnosis, Reported through June 30, 2021**

Age at HIV Diagnosis	Population	Reported HIV Diagnoses							
		No.	% of Total	Rate	Linked to Care		Late HIV Diagnoses	First CD4 Test Result	
					% 1 month	% 3 months		% with Test	Median Count
<5 (Pediatric)	21,743	0	0.0%	0.0	--	--	--	--	--
5-12 (Pediatric)	39,853	0	0.0%	0.0	--	--	--	--	--
13-19	35,211	1	3.4%	2.8	***	***	***	***	***
20-29	46,585	13	44.8%	27.9	69.2%	84.6%	***	76.9%	495
30-39	49,621	6	20.7%	12.1	83.3%	83.3%	***	83.3%	227
40-49	46,716	1	3.4%	2.1	***	***	***	***	***
50-59	56,419	5	17.2%	8.9	100.0%	100.0%	***	100.0%	39
60+	76,047	3	10.3%	3.9	***	***	***	***	***
<b>Total</b>	<b>372,195</b>	<b>29</b>	<b>100.0%</b>	<b>7.8</b>	<b>79.3%</b>	<b>86.2%</b>	<b>24.1%</b>	<b>86.2%</b>	<b>373</b>

\*\*\* Data withheld due to low population counts and/or small numbers.

Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

**Table 7 – People Living with Diagnosed HIV, Alive on December 31, 2020, by Age on December 31, 2020, Reported through June 30, 2021**

Age on December 31, 2020	Population	Total People Living with Diagnosed HIV			
		No.	% of Total	Rate	Ratio (1 in X)
<5 (Pediatric)	21,743	1	0.1%	4.6	21,743
5-12 (Pediatric)	39,853	3	0.3%	7.5	13,284
13-19	35,211	2	0.2%	5.7	17,605
20-29	46,585	108	11.4%	231.8	431
30-39	49,621	201	21.2%	405.1	247
40-49	46,716	189	20.0%	404.6	247
50-59	56,419	280	29.6%	496.3	201
60+	76,047	163	17.2%	214.3	467
<b>Total</b>	<b>372,195</b>	<b>947</b>	<b>100.0%</b>	<b>254.4</b>	<b>393</b>

**Table 8 – CD4 Test Results during 2020 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2020, by Age on December 31, 2020, Reported through June 30, 2021**

Age on December 31, 2020	Total People Aged 13+ Living with Diagnosed HIV							
	No.	Recent CD4 Test Results						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
13-19	2	***	***	***	***	***	***	***
20-29	108	***	***	***	***	***	***	***
30-39	201	149	74.1%	698	6.0%	6.7%	15.4%	71.8%
40-49	189	145	76.7%	699	6.2%	10.3%	13.8%	69.7%
50-59	280	223	79.6%	683	11.2%	9.0%	10.8%	69.1%
60+	163	128	78.5%	584	7.0%	14.1%	17.2%	61.7%
<b>Total</b>	<b>943</b>	<b>721</b>	<b>76.5%</b>	<b>662</b>	<b>7.6%</b>	<b>9.8%</b>	<b>14.0%</b>	<b>68.5%</b>



**Table 9 – Viral Load Test Results during 2020 for People Living with Diagnosed HIV, Alive on December 31, 2020, by Age on December 31, 2020, Reported through June 30, 2021**

Age on December 31, 2020	Total People Aged 13+ Living with Diagnosed HIV				
	No.	Recent Viral Load Test Result			Median Unsuppressed Viral Load
		No. with Test	% with Test	% Suppressed	
13-19	2	***	***	***	***
20-29	108	***	***	***	***
30-39	201	150	74.6%	86.7%	2,243
40-49	189	143	75.7%	92.3%	557
50-59	280	224	80.0%	92.4%	3,340
60+	163	130	79.8%	93.8%	29,750
<b>Total</b>	943	724	76.8%	90.2%	3,610

## Section VI – By Demographics

**Table 10 – Reported HIV Diagnoses, among People Aged 13+ during 2020, Linked to Care, Late Diagnosis, and First CD4 Test Result by Sex at Birth, Gender, Race/Ethnicity, and Country of Birth, Reported through June 30, 2021**

Demographic Characteristics	Population Aged 13+	Reported HIV Diagnoses among People Aged 13+							
		No.	% of Total	Rate	Linked to Care		Late HIV Diagnoses	First CD4 Test Result	
					% 1 month	% 3 months	%	% with Test	Median Count
Sex at Birth									
Male	151,124	23	79.3%	15.2	***	87.0%	***	***	***
Female	159,474	6	20.7%	3.8	***	83.3%	***	***	***
Gender									
Man	151,124	23	79.3%	15.2	***	87.0%	***	***	***
Woman	159,474	6	20.7%	3.8	***	83.3%	***	***	***
Transgender Woman	--	0	0.0%	0.0	--	--	--	--	--
Transgender Man	--	0	0.0%	0.0	--	--	--	--	--
Another Gender Identity	--	0	0.0%	0.0	--	--	--	--	--
Race/Ethnicity									
Hispanic	15,948	1	3.4%	6.3	***	***	***	***	***
Non-Hispanic	294,650	28	96.6%	9.5	78.6%	85.7%	21.4%	85.7%	401
American Indian/Alaska Native, only	1,494	0	0.0%	0.0	--	--	--	--	--
Asian, only	8,948	0	0.0%	0.0	--	--	--	--	--
Black, only	92,752	23	79.3%	24.8	78.3%	87.0%	***	87.0%	402
Native Hawaiian/Other Pacific Islander, only	308	0	0.0%	0.0	--	--	--	--	--
White, only	182,991	5	17.2%	2.7	***	***	***	***	***
Multiracial/Other	8,157	0	0.0%	0.0	--	--	--	--	--
Total	310,599	29	100.0%	9.3	79.3%	86.2%	24.1%	86.2%	373
Country of Birth									
United States	283,863	23	79.3%	8.1	78.3%	87.0%	26.1%	87.0%	343
Foreign-Born	17,454	1	3.4%	5.7	***	***	***	***	***
Africa	--	0	0.0%	--	--	--	--	--	--
Asia	--	0	0.0%	--	--	--	--	--	--
Caribbean	--	0	0.0%	--	--	--	--	--	--
Central America	--	1	3.4%	--	***	***	***	***	***
Other	--	0	0.0%	--	--	--	--	--	--
Unknown	--	5	17.2%	--	***	***	0.0%	***	***
Total	301,316	29	100.0%	9.6	79.3%	86.2%	24.1%	86.2%	373

Note. Population data by sex at birth, age, and race/ethnicity are from the 2020 United States Census population estimates. Population data by gender are unavailable. Population data by country of birth are from the 2019 American Community Survey.

\*\*\* Data withheld due to low population counts and/or small numbers.

Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

**Table 11 – Reported HIV Diagnoses, among People Aged 13+ during 2020 by Sex at Birth and Race/Ethnicity, Reported through June 30, 2021**

Reported HIV Diagnoses among People Aged 13+								
Race/Ethnicity	Sex at Birth							
	Male				Female			
	Population 13+	No.	% of Total	Rate	Population 13+	No.	% of Total	Rate
<b>Hispanic</b>	8,034	1	4.3%	12.4	7,914	0	0.0%	0.0
<b>Non-Hispanic</b>	143,090	22	95.7%	15.4	151,560	6	100.0%	15.4
American Indian/Alaska Native, only	730	0	0.0%	0.0	764	0	0.0%	0.0
Asian, only	3,809	0	0.0%	0.0	5,139	0	0.0%	0.0
Black, only	43,585	18	78.3%	41.3	49,167	5	83.3%	10.2
Native Hawaiian/Other Pacific Islander, only	161	0	0.0%	0.0	147	0	0.0%	0.0
White, only	90,916	4	17.4%	4.4	92,076	1	16.7%	1.1
Multiracial/Other	3,889	0	0.0%	0.0	4,268	0	0.0%	0.0
<b>Total</b>	151,124	23	100.0%	15.2	159,474	6	100.0%	15.2

Note. Population data by sex at birth, age, and race/ethnicity are from the 2020 United States Census population estimates.

Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

**Table 12 – People Aged 13+ Living with Diagnosed HIV Alive on December 31, 2020, by Sex at Birth, Gender, Race/Ethnicity, and Country of Birth, Reported through June 30, 2021**

Demographic Characteristics	Population Aged 13+	Total People Aged 13+ Living with Diagnosed HIV			
		No.	% of Total	Rate	Ratio (1 in X)
Sex at Birth					
Male	151,124	635	67.3%	420.2	238
Female	159,474	308	32.7%	193.1	518
Gender					
Man	151,124	626	66.4%	414.2	241
Woman	159,474	308	32.7%	193.1	518
Transgender Woman	--	9	1.0%	--	--
Transgender Man	--	0	0.0%	--	--
Another Gender Identity	--	0	0.0%	--	--
Race/Ethnicity					
Hispanic	15,948	35	3.7%	219.5	456
Non-Hispanic	294,650	908	96.3%	308.2	325
American Indian/Alaska Native, only	1,494	0	0.0%	0.0	--
Asian, only	8,948	6	0.6%	67.1	1,491
Black, only	92,752	688	73.0%	741.8	135
Native Hawaiian/Other Pacific Islander, only	308	0	0.0%	0.0	--
White, only	182,991	178	18.9%	97.3	1,028
Multiracial/Other	8,157	36	3.8%	441.3	227
Total					
Country of Birth					
United States	283,863	872	92.5%	307.2	326
Foreign-Born	17,454	39	4.1%	223.4	448
Africa	--	16	1.7%	--	--
Asia	--	6	0.6%	--	--
Caribbean	--	3	0.3%	--	--
Central America	--	9	1.0%	--	--
Other	--	5	0.5%	--	--
Unknown	--	32	3.4%	--	--
Total	301,316	943	100.0%	313.0	320

Note. Population data by sex at birth, age, and race/ethnicity are from the 2020 United States Census population estimates. Population data by gender are unavailable. Population data by country of birth are from the 2019 American Community Survey.

**Table 13 – People Aged 13+ Living with Diagnosed HIV Alive on December 31, 2020, by Sex at Birth and Race/Ethnicity, Reported through June 30, 2021**

Total People Aged 13+ Living with Diagnosed HIV								
Race/Ethnicity	Sex at Birth							
	Male				Female			
	Population 13+	No.	% of Total	Rate	Population 13+	No.	% of Total	Rate
<b>Hispanic</b>	8,034	26	4.1%	323.6	7,914	9	2.9%	113.7
<b>Non-Hispanic</b>	143,090	609	95.9%	425.6	151,560	299	97.1%	197.3
American Indian/Alaska Native, only	730	0	0.0%	0.0	764	0	0.0%	0.0
Asian, only	3,809	4	0.6%	105.0	5,139	2	0.6%	38.9
Black, only	43,585	443	69.8%	1,016.4	49,167	245	79.5%	498.3
Native Hawaiian/Other Pacific Islander, only	161	0	0.0%	0.0	147	0	0.0%	0.0
White, only	90,916	145	22.8%	159.5	92,076	33	10.7%	35.8
Multiracial/Other	3,889	17	2.7%	437.1	4,268	19	6.2%	445.2
<b>Total</b>	151,124	635	100.0%	420.2	159,474	308	100.0%	193.1

Note. Population data by sex at birth, age, and race/ethnicity are from the 2020 United States Census population estimates.

**Table 14 – CD4 Test Results during 2020 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2020, by Sex at Birth, Gender, Race/Ethnicity and Country of Birth, Reported through June 30, 2021**

Demographic Characteristics	Total People Aged 13+ Living with Diagnosed HIV							
	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
Sex at Birth								
Male	635	478	75.3%	646	6.5%	10.3%	14.9%	68.4%
Female	308	243	78.9%	676	9.9%	9.1%	12.3%	68.7%
Gender								
Man	626	471	75.2%	647	6.6%	10.4%	14.9%	68.2%
Woman	308	243	78.9%	676	9.9%	9.1%	12.3%	68.7%
Transgender Woman	9	7	77.8%	630	0.0%	0.0%	14.3%	85.7%
Transgender Man	0	--	--	--	--	--	--	--
Another Gender Identity	0	--	--	--	--	--	--	--
Race/Ethnicity								
Hispanic	35	27	77.1%	718	11.1%	14.8%	3.7%	70.4%
Non-Hispanic	908	694	76.4%	660	7.5%	9.7%	14.4%	68.4%
American Indian/Alaska Native, only	0	--	--	--	--	--	--	--
Asian, only	6	***	***	***	***	***	***	***
Black, only	688	520	75.6%	655	7.7%	9.6%	14.6%	68.1%
Native Hawaiian/Other Pacific Islander, only	0	--	--	--	--	--	--	--
White, only	178	139	78.1%	683	5.8%	10.1%	12.9%	71.2%
Multiracial/Other	36	***	***	***	***	***	***	***
Country of Birth								
United States	872	676	77.5%	662	7.7%	10.2%	14.2%	67.9%
Foreign-Born	39	28	71.8%	651	10.7%	7.1%	10.7%	71.4%
Africa	16	10	62.5%	597	0.0%	10.0%	20.0%	70.0%
Asia	6	***	***	***	***	***	***	***
Caribbean	3	***	***	***	***	***	***	***
Central America	9	6	66.7%	711	16.7%	0.0%	0.0%	83.3%
Other	5	5	100.0%	718	20.0%	0.0%	0.0%	80.0%
Unknown	32	17	53.1%	668	0.0%	0.0%	11.8%	88.2%
Total	943	721	76.5%	662	7.6%	9.8%	14.0%	68.5%

\*\*\* Data withheld due to low population counts and/or small numbers.

**Table 15 – Viral Load Test Results during 2020 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2020, by Sex at Birth, Gender, Race/Ethnicity and Country of Birth, Reported through June 30, 2021**

Demographic Characteristics	Total People Aged 13+ Living with Diagnosed HIV				
	No.	Recent Viral Load Test Result			Median Unsuppressed Viral Load
		No. with Test	% with Test	% Suppressed	
Sex at Birth					
Male	635	484	76.2%	91.1%	9,900
Female	308	240	77.9%	88.3%	1,455
Gender					
Man	626	477	76.2%	91.2%	11,050
Woman	308	240	77.9%	88.3%	1,455
Transgender Woman	9	7	77.8%	85.7%	510
Transgender Man	0	--	--	--	--
Another Gender Identity	0	--	--	--	--
Race/Ethnicity					
Hispanic	35	27	77.1%	92.6%	240,500
Non-Hispanic	908	697	76.8%	90.1%	3,340
American Indian/Alaska Native, only	0	--	--	--	--
Asian, only	6	***	***	***	***
Black, only	688	523	76.0%	88.9%	4,135
Native Hawaiian/Other Pacific Islander, only	0	--	--	--	--
White, only	178	141	79.2%	97.2%	1,758
Multiracial/Other	36	***	***	***	***
Country of Birth					
United States	872	679	77.9%	90.4%	3,610
Foreign-Born	39	28	71.8%	92.9%	157,279
Africa	16	11	68.8%	81.8%	157,279
Asia	6	***	***	***	***
Caribbean	3	***	***	***	***
Central America	9	6	66.7%	100.0%	--
Other	5	***	***	***	***
Unknown	32	17	53.1%	76.5%	14,285
Total	943	724	76.8%	90.2%	3,610

\*\*\* Data withheld due to low population counts and/or small numbers.

**Table 16 – Males Living with Diagnosed HIV by Age on December 31, 2020 and Race/Ethnicity, Alive on December 31, 2020, and Reported through June 30, 2021**

Total Males Living with Diagnosed HIV						
Age on December 31, 2020		Race/Ethnicity				Total Males by Age Group
		Hispanic	Non-Hispanic Black, only	Non-Hispanic White, only	Non-Hispanic Other Race	
<13 (Pediatric)	Population	2,820	9,438	16,022	3,250	31,531
	Number	0	2	0	0	2
	Rate	0.0	21.2	0.0	0.0	6.3
	Ratio (1 in X)	--	4,719	--	--	15,765
13-19	Population	1,348	5,698	9,109	1,793	17,947
	Number	0	2	0	0	2
	Rate	0.0	35.1	0.0	0.0	11.1
	Ratio (1 in X)	--	2,849	--	--	8,974
20-29	Population	1,560	7,474	13,128	1,808	23,970
	Number	3	72	12	2	89
	Rate	192.3	963.3	91.4	110.6	371.3
	Ratio (1 in X)	520	104	1,094	904	269
30-39	Population	1,935	7,228	14,010	1,310	24,483
	Number	9	120	21	5	155
	Rate	465.1	1,660.2	149.9	381.7	633.1
	Ratio (1 in X)	215	60	667	262	158
40-49	Population	1,560	7,031	12,452	1,212	22,255
	Number	6	68	33	6	113
	Rate	384.6	967.1	265.0	495.0	507.8
	Ratio (1 in X)	260	103	377	202	197
50-59	Population	898	8,366	16,996	1,096	27,356
	Number	***	112	44	7	170
	Rate	***	1,338.8	258.9	638.7	621.4
	Ratio (1 in X)	***	75	386	157	161
60+	Population	733	7,788	25,221	1,371	35,113
	Number	***	69	35	1	106
	Rate	***	886.0	138.8	72.9	301.9
	Ratio (1 in X)	***	113	721	1,371	331
Total Males by Race/Ethnicity	Population	10,854	53,023	106,938	11,840	182,655
	Number	26	445	145	21	637
	Rate	239.5	839.3	135.6	177.4	348.7
	Ratio (1 in X)	417	119	738	564	287

\*\*\* Data withheld due to low population counts and/or small numbers.



**Table 17 – Females Living with Diagnosed HIV by Age on December 31, 2020 and Race/Ethnicity, Alive on December 31, 2020, and Reported through June 30, 2021**

Total Females Living with Diagnosed HIV						
Age on December 31, 2020		Race/Ethnicity				Total Females by Age Group
		Hispanic	Non-Hispanic Black, only	Non-Hispanic White, only	Non-Hispanic Other Race	
<13 (Pediatric)	Population	2,694	8,998	15,256	3,117	30,066
	Number	0	2	0	0	2
	Rate	0.0	22.2	0.0	0.0	6.7
	Ratio (1 in X)	--	4,499	--	--	15,033
13-19	Population	1,246	5,499	8,868	1,651	17,263
	Number	0	0	0	0	0
	Rate	0.0	0.0	0.0	0.0	0.0
	Ratio (1 in X)	--	--	--	--	--
20-29	Population	1,524	7,490	11,856	1,745	22,615
	Number	1	17	1	0	19
	Rate	65.6	227.0	8.4	0.0	84.0
	Ratio (1 in X)	1,524	441	11,856	--	1,190
30-39	Population	1,830	7,935	13,688	1,685	25,138
	Number	1	33	6	6	46
	Rate	54.6	415.9	43.8	356.1	183.0
	Ratio (1 in X)	1,830	240	2,281	281	546
40-49	Population	1,417	8,503	12,870	1,671	24,461
	Number	0	64	7	5	76
	Rate	0.0	752.7	54.4	299.2	310.7
	Ratio (1 in X)	--	133	1,839	334	322
50-59	Population	1,023	9,322	17,096	1,622	29,063
	Number	5	87	13	5	110
	Rate	488.8	933.3	76.0	308.3	378.5
	Ratio (1 in X)	205	107	1,315	324	264
60+	Population	874	10,418	27,698	1,944	40,934
	Number	***	44	6	5	57
	Rate	***	422.3	21.7	257.2	139.2
	Ratio (1 in X)	***	237	4,616	389	718
Total Females by Race/Ethnicity	Population	10,608	58,165	107,332	13,435	189,540
	Number	9	247	33	21	310
	Rate	84.8	424.7	30.7	156.3	163.6
	Ratio (1 in X)	1,179	235	3,252	640	611

\*\*\* Data withheld due to low population counts and/or small numbers.

## Section VII – By HIV Exposure Category

**Table 18 – Reported HIV Diagnoses, among People Aged 13+ during 2020, Linked to Care, Late Diagnosis, and First CD4 Test Result, by Estimated or Reported Exposure Category and Sex at Birth, Reported through June 30, 2021**

Estimated or Reported Exposure Category	Reported HIV Diagnoses among People Aged 13+						
	No.	% of Total	Linked to Care		Late HIV Diagnoses	First CD4 Test Result	
			% 1 month	% 3 months	%	% with Test	Median Count
Male-to-male Sexual Contact (MSM)	18	60.7%	83.0%	83.0%	***	88.6%	373
Injection Drug Use (IDU)	3	9.3%	***	***	***	***	***
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	0	0.0%	--	--	--	--	--
Heterosexual Contact (HET)	9	30.0%	***	***	***	***	***
Perinatal Transmission	0	0.0%	--	--	--	--	--
Other Exposure	0	0.0%	--	--	--	--	--
No Estimated or Reported Exposure	0	0.0%	--	--	--	--	--
<b>Total</b>	<b>29</b>	<b>100.0%</b>	<b>79.3%</b>	<b>86.2%</b>	<b>24.1%</b>	<b>86.2%</b>	<b>373</b>
<b>Male Estimated or Reported Exposure Category</b>							
Male-to-male Sexual Contact (MSM)	18	76.5%	83.0%	83.0%	***	88.6%	373
Injection Drug Use (IDU)	2	10.4%	***	***	***	***	***
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	0	0.0%	--	--	--	--	--
Heterosexual Contact (HET)	3	13.0%	***	***	***	***	***
Perinatal Transmission	0	0.0%	--	--	--	--	--
Other Exposure	0	0.0%	--	--	--	--	--
No Estimated or Reported Exposure	0	0.0%	--	--	--	--	--
<b>Total</b>	<b>23</b>	<b>100.0%</b>	<b>87.0%</b>	<b>87.0%</b>	<b>26.1%</b>	<b>91.3%</b>	<b>312</b>
<b>Female Estimated or Reported Exposure Category</b>							
Injection Drug Use (IDU)	0	5.0%	***	66.7%	***	***	***
Heterosexual Contact (HET)	6	95.0%	***	84.2%	***	***	***
Perinatal Transmission	0	0.0%	--	--	--	--	--
Other Exposure	0	0.0%	--	--	--	--	--
No Estimated or Reported Exposure	0	0.0%	--	--	--	--	--
<b>Total</b>	<b>6</b>	<b>100.0%</b>	<b>50.0%</b>	<b>83.3%</b>	<b>16.7%</b>	<b>66.7%</b>	<b>587</b>

*Note.* Data for 2020 are preliminary because they are based on a 6-month reporting delay and should not be used to assess trends. Data have been statistically adjusted to account for missing transmission category, therefore, values may not sum to column total. Exposure category estimates are rounded to whole numbers after percentages are calculated. This may be more noticeable in the precision of estimates calculated for small numbers of people. Median count is weighted based on statistical adjustment. For exposure category by gender, please see the Maryland HIV Epidemiological Profile Gender Diverse People Supplement.

\*\*\* Data withheld due to low population counts and/or small numbers.

Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

**Table 19 – People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2020, by Estimated or Reported Exposure Category and Sex at Birth, Reported through June 30, 2021**

Estimated or Reported Exposure Category	Total People Aged 13+ Living with Diagnosed HIV	
	No.	% of Total
Male-to-male Sexual Contact (MSM)	435	46.1%
Injection Drug Use (IDU)	81	8.6%
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	24	2.5%
Heterosexual Contact (HET)	393	41.7%
Perinatal Transmission	6	0.6%
Other Exposure	1	0.1%
No Estimated or Reported Exposure	3	0.3%
<b>Total</b>	<b>943</b>	<b>100.0%</b>
<b>Male Estimated or Reported Exposure Category</b>		
Male-to-male Sexual Contact (MSM)	435	68.5%
Injection Drug Use (IDU)	45	7.1%
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	24	3.8%
Heterosexual Contact (HET)	128	20.2%
Perinatal Transmission	1	0.2%
Other Exposure	0	0.0%
No Estimated or Reported Exposure	2	0.3%
<b>Total</b>	<b>635</b>	<b>100.0%</b>
<b>Female Estimated or Reported Exposure Category</b>		
Injection Drug Use (IDU)	36	11.7%
Heterosexual Contact (HET)	265	86.1%
Perinatal Transmission	5	1.6%
Other Exposure	1	0.3%
No Estimated or Reported Exposure	1	0.3%
<b>Total</b>	<b>308</b>	<b>100.0%</b>

Note. Data have been statistically adjusted to account for missing transmission category, therefore, values may not sum to column total. For exposure category by gender, please see the Maryland HIV Epidemiological Profile Gender Diverse People Supplement.

**Table 20 – People Aged 13+ Living with Diagnosed HIV by Estimated or Reported Exposure Category, Race/Ethnicity, and Sex at Birth, Alive on December 31, 2020, and Reported through June 30, 2021**

Estimated or Reported Exposure Category	Total People Aged 13+ Living with Diagnosed HIV					
	Race/Ethnicity					
	Hispanic		Non-Hispanic, Black, only		Non-Hispanic, White, only	
	No.	% of Total	No.	% of Total	No.	% of Total
Male-to-male Sexual Contact (MSM)	12	34.3%	293	42.5%	118	66.3%
Injection Drug Use (IDU)	5	13.1%	60	8.8%	11	6.0%
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	2	6.0%	15	2.2%	6	3.3%
Heterosexual Contact (HET)	16	46.6%	310	45.1%	43	24.4%
Perinatal Transmission	0	0.0%	6	0.9%	0	0.0%
Other Exposure	0	0.0%	1	0.1%	0	0.0%
No Estimated or Reported Exposure	0	0.0%	3	0.4%	0	0.0%
<b>Total</b>	35	100.0%	688	100.0%	178	100.0%

Male Estimated or Reported Exposure Category						
Male-to-male Sexual Contact (MSM)	12	46.2%	293	66.0%	118	81.4%
Injection Drug Use (IDU)	2	8.8%	37	8.3%	4	2.8%
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	2	8.1%	15	3.4%	6	4.0%
Heterosexual Contact (HET)	10	36.9%	95	21.6%	17	11.8%
Perinatal Transmission	0	0.0%	1	0.2%	0	0.0%
Other Exposure	0	0.0%	0	0.0%	0	0.0%
No Estimated or Reported Exposure	0	0.0%	2	0.5%	0	0.0%
<b>Total</b>	26	100.0%	443	100.0%	145	100.0%

Female Estimated or Reported Exposure Category						
Injection Drug Use (IDU)	2	25.6%	23	9.6%	7	20.3%
Heterosexual Contact (HET)	7	74.4%	215	87.6%	26	79.7%
Perinatal Transmission	0	0.0%	5	2.0%	0	0.0%
Other Exposure	0	0.0%	1	0.4%	0	0.0%
No Estimated or Reported Exposure	0	0.0%	1	0.4%	0	0.0%
<b>Total</b>	9	100.0%	245	100.0%	33	100.0%

Note. Data have been statistically adjusted to account for missing transmission category, therefore, values may not sum to column total. For exposure category by gender, please see the Maryland HIV Epidemiological Profile Gender Diverse People Supplement.

**Table 21 – CD4 Test Results during 2020 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2020, by Estimated or Reported Exposure Category, Reported through June 30, 2021**

Estimated or Reported Exposure Category	Total People Aged 13+ with Living Diagnosed HIV							
	No.	Recent CD4 Test Results						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
Male-to-male Sexual Contact (MSM)	435	325	74.8%	668	4.7%	9.8%	13.6%	71.9%
Injection Drug Use (IDU)	81	60	74.0%	563	8.7%	14.0%	18.4%	58.9%
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	24	18	75.4%	630	17.1%	11.0%	8.8%	63.0%
Heterosexual Contact (HET)	393	309	78.5%	680	9.8%	8.4%	13.6%	68.2%
Perinatal Transmission	6	5	83.3%	455	0.0%	40.0%	20.0%	40.0%
Other Exposure	1	***	***	***	***	***	***	***
No Estimated or Reported Exposure	3	***	***	***	***	***	***	***
<b>Total</b>	<b>943</b>	<b>721</b>	<b>76.5%</b>	<b>662</b>	<b>7.6%</b>	<b>9.8%</b>	<b>14.0%</b>	<b>68.5%</b>

Note. Data have been statistically adjusted to account for missing transmission category, therefore, values may not sum to column total. Median count is weighted based on statistical adjustment.

**Table 22 – Viral Load Test Results during 2020 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2020, by Estimated or Reported Exposure Category, Reported through June 30, 2021**

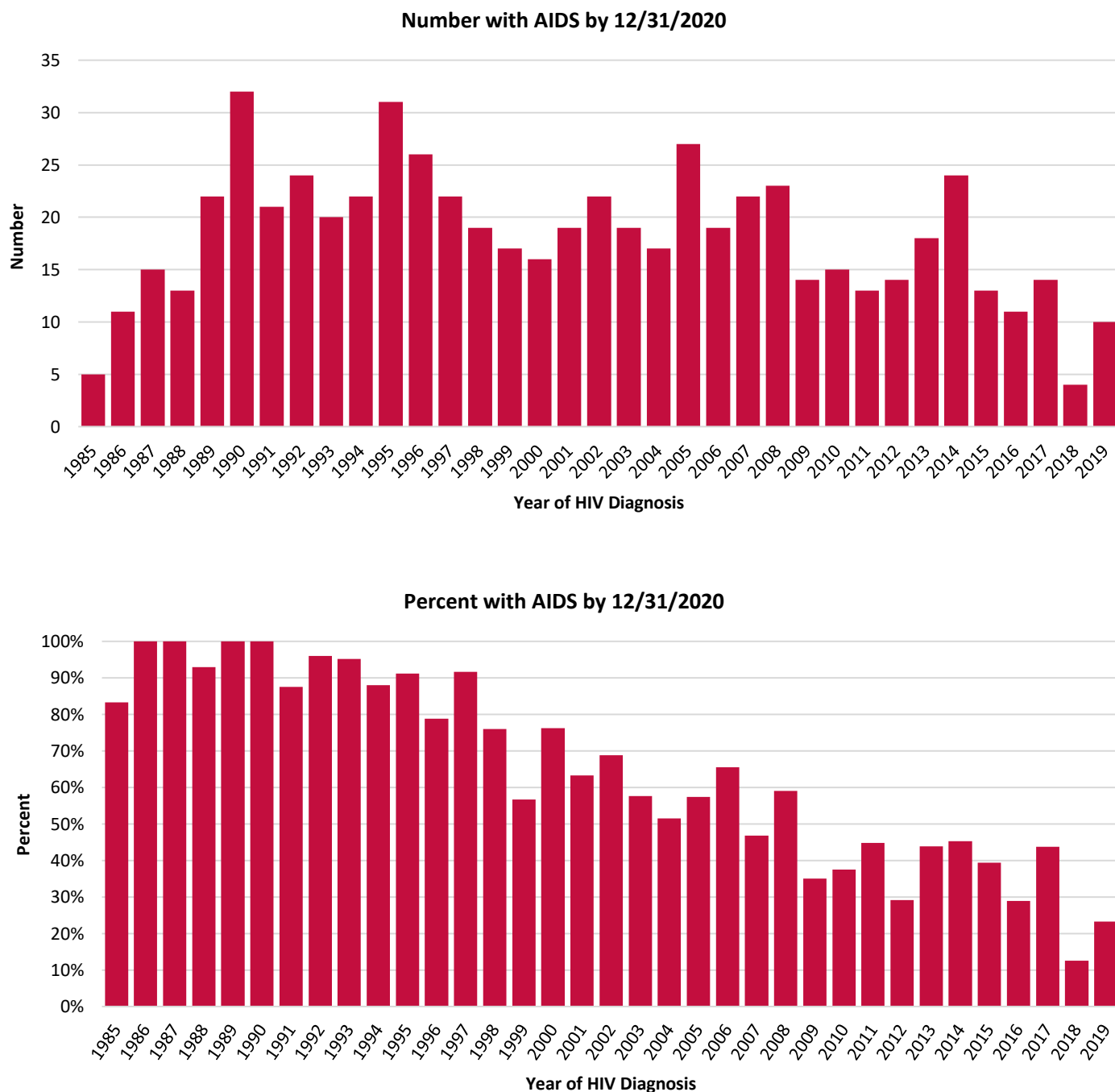
Estimated or Reported Exposure Category	Total People Aged 13+ with Living Diagnosed HIV				
	No.	Recent Viral Load Test Results			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed Viral Load
Male-to-male Sexual Contact (MSM)	435	329	75.5%	92.2%	8,724
Injection Drug Use (IDU)	81	61	75.9%	87.5%	2,990
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	24	17	71.3%	81.3%	63,900
Heterosexual Contact (HET)	393	308	78.3%	89.2%	1,240
Perinatal Transmission	6	5	83.3%	80.0%	580
Other Exposure	1	***	***	***	***
No Estimated or Reported Exposure	3	***	***	***	***
<b>Total</b>	<b>943</b>	<b>724</b>	<b>76.8%</b>	<b>90.2%</b>	<b>3,610</b>

Note. Data have been statistically adjusted to account for missing transmission category, therefore, values may not sum to column total. Median unsuppressed is weighted based on statistical adjustment.

## Section VIII – Disease Progression and Mortality

**Figure 10 – Trends in Disease Progression by Year of HIV Diagnosis, 1985-2019, Reported through June 30, 2021**

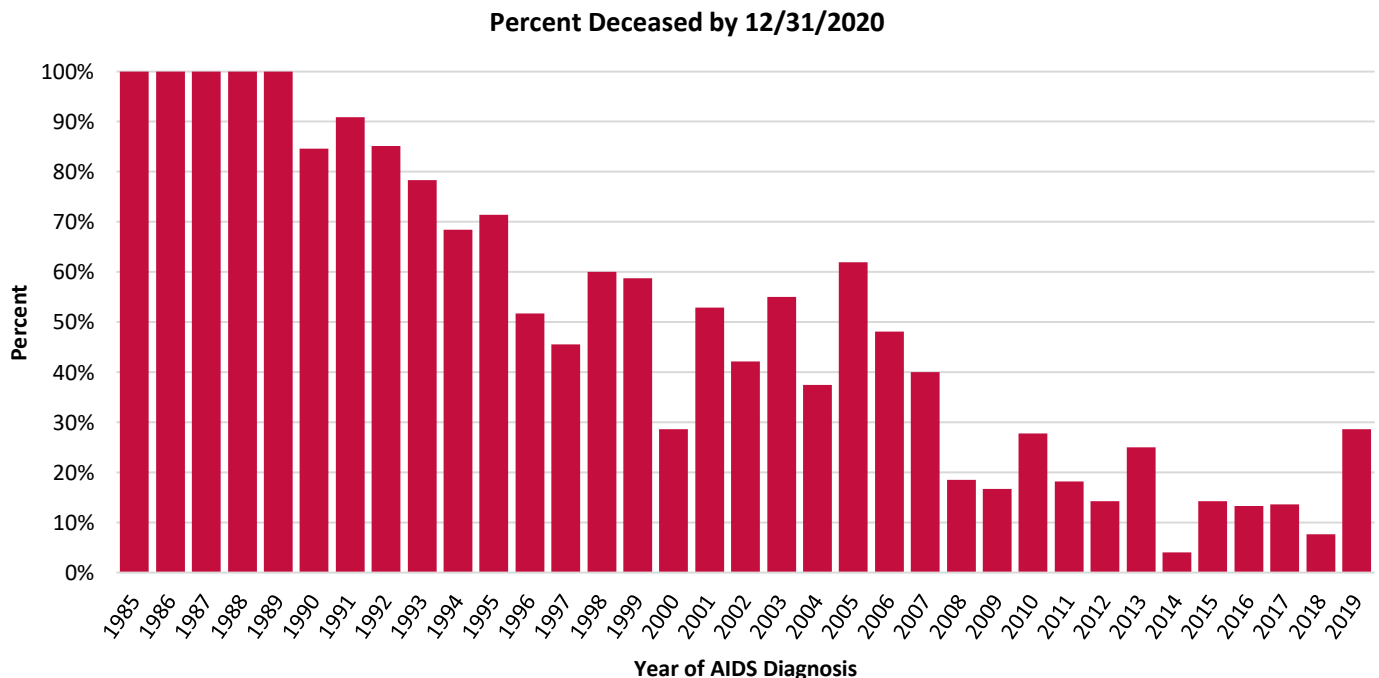
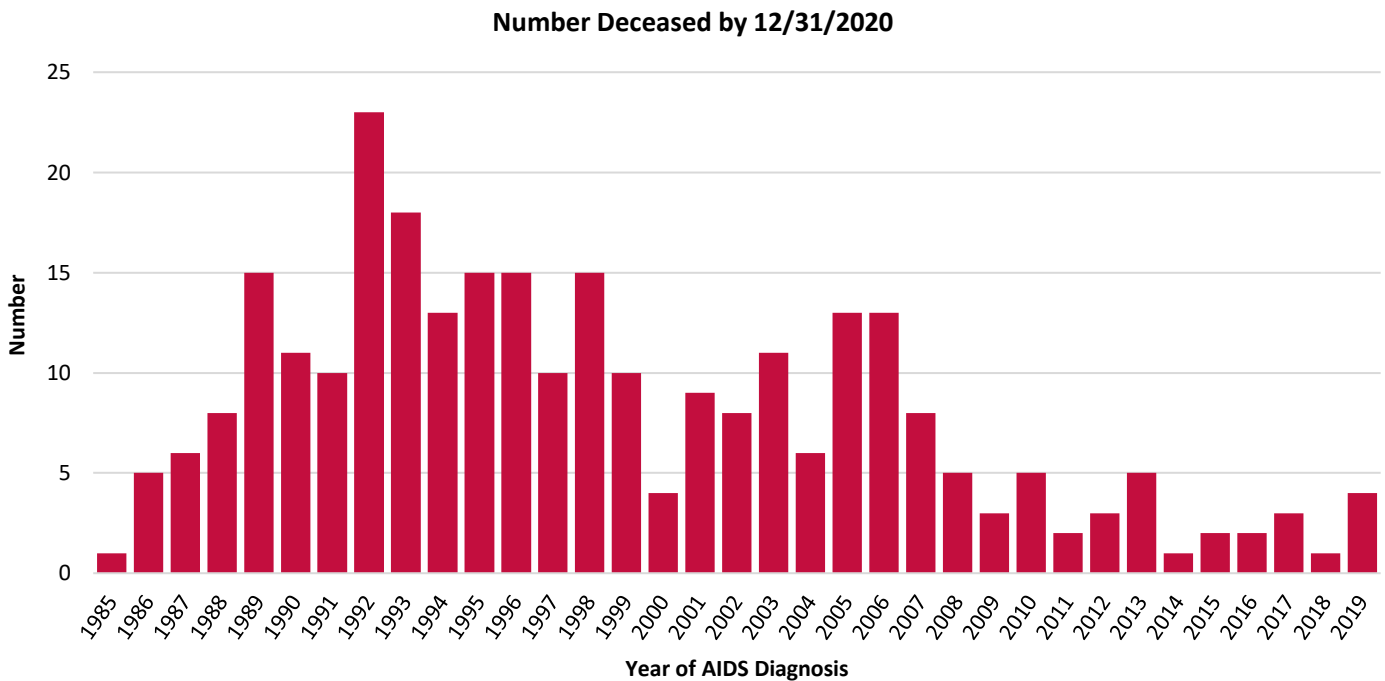
Number of People Aged 13+ with Diagnosed HIV, Aged 13+ at HIV Diagnosis, (Reported HIV Diagnoses among People Aged 13+), Number of People Aged 13+ with Diagnosed HIV with an AIDS Diagnosis by December 31, 2020 (Reported AIDS Diagnoses), Percent by Year of HIV Diagnosis of Reported HIV Diagnoses with a Reported AIDS Diagnosis among People Aged 13+ by December 31, 2020, the Average Years from HIV Diagnosis to AIDS Diagnosis for People with an AIDS Diagnosis, and the Percent by Year of HIV Diagnosis of Reported HIV Diagnoses with a Reported AIDS Diagnosis among People Aged 13+ at 1 Year, 2 Years, 5 Years, and 10 Years after HIV Diagnosis, by Year of HIV Diagnosis from 1985 through 2019, Reported through June 30, 2021



Reported HIV Diagnoses among People Aged 13+								
Year of HIV Diagnosis	No.	Reported AIDS Diagnoses			Percent with AIDS by Years After HIV Diagnosis			
		No.	% with AIDS	Mean Years from HIV to AIDS	1 Year	2 Years	5 Years	10 Years
<1985	2	2	100.0%	10.0	50.0%	50.0%	50.0%	50.0%
1985	6	5	83.3%	9.8	16.7%	16.7%	33.3%	50.0%
1986	11	11	100.0%	9.2	27.3%	27.3%	36.4%	54.5%
1987	15	15	100.0%	5.7	40.0%	40.0%	60.0%	86.7%
1988	14	13	92.9%	2.7	57.1%	57.1%	71.4%	92.9%
1989	22	22	100.0%	2.6	59.1%	59.1%	81.8%	90.9%
1990	32	32	100.0%	4.7	37.5%	46.9%	65.6%	87.5%
1991	24	21	87.5%	3.4	50.0%	54.2%	62.5%	79.2%
1992	25	24	96.0%	1.5	72.0%	72.0%	88.0%	92.0%
1993	21	20	95.2%	1.2	81.0%	85.7%	90.5%	90.5%
1994	25	22	88.0%	2.6	60.0%	68.0%	68.0%	80.0%
1995	34	31	91.2%	4.0	47.1%	50.0%	64.7%	79.4%
1996	33	26	78.8%	2.5	48.5%	57.6%	66.7%	72.7%
1997	24	22	91.7%	2.6	62.5%	66.7%	70.8%	83.3%
1998	25	19	76.0%	1.2	60.0%	68.0%	68.0%	76.0%
1999	30	17	56.7%	2.2	40.0%	43.3%	46.7%	50.0%
2000	21	16	76.2%	4.6	28.6%	33.3%	57.1%	66.7%
2001	30	19	63.3%	0.4	60.0%	60.0%	63.3%	63.3%
2002	32	22	68.8%	2.7	43.8%	46.9%	56.3%	65.6%
2003	33	19	57.6%	2.0	42.4%	42.4%	48.5%	54.5%
2004	33	17	51.5%	1.5	42.4%	45.5%	45.5%	48.5%
2005	47	27	57.4%	2.1	40.4%	42.6%	46.8%	51.1%
2006	29	19	65.5%	1.0	55.2%	55.2%	58.6%	65.5%
2007	47	22	46.8%	2.3	27.7%	29.8%	38.3%	44.7%
2008	39	23	59.0%	0.9	48.7%	51.3%	53.8%	59.0%
2009	40	14	35.0%	2.4	20.0%	22.5%	27.5%	32.5%
2010	40	15	37.5%	1.4	25.0%	27.5%	35.0%	37.5%
2011	29	13	44.8%	2.7	24.1%	31.0%	31.0%	--
2012	48	14	29.2%	1.0	22.9%	27.1%	27.1%	--
2013	41	18	43.9%	2.0	26.8%	26.8%	39.0%	--
2014	53	24	45.3%	1.2	32.1%	34.0%	43.4%	--
2015	33	13	39.4%	1.5	24.2%	30.3%	36.4%	--
2016	38	11	28.9%	0.8	21.1%	26.3%	--	--
2017	32	14	43.8%	0.9	34.4%	34.4%	--	--
2018	32	4	12.5%	0.2	12.5%	12.5%	--	--
2019	43	10	23.3%	0.3	23.3%	--	--	--
Total	1,083	636	58.7%	2.5	38.6%	41.6%	48.5%	54.8%

**Figure 11 – Trends in Survival Times by Year of AIDS Diagnosis, 1985-2019, Reported through June 30, 2021**

Number of People Aged 13+ with Diagnosed HIV, Aged 13+ at HIV Diagnosis, with an AIDS Diagnosis by December 31, 2019 (Reported AIDS Diagnoses), Number of Reported AIDS Diagnosis among People Aged 13+ Reported to Have Died of Any Cause by December 31, 2020 (Reported AIDS Deaths), Percent by Year of AIDS Diagnosis of Reported AIDS Diagnoses with a Reported AIDS Death (Percent Dead) among People Aged 13+ by December 31, 2020, the Average Years from AIDS Diagnosis to Death for People that have Died, and the Percent by Year of AIDS Diagnosis of Reported AIDS Diagnoses among People Aged 13+ Not Reported to Have Died (Percent Alive) at 1 Year, 2 Years, 5 Years, and 10 Years after AIDS Diagnosis, by Year of AIDS Diagnosis from 1985 through 2019, Reported through June 30, 2021





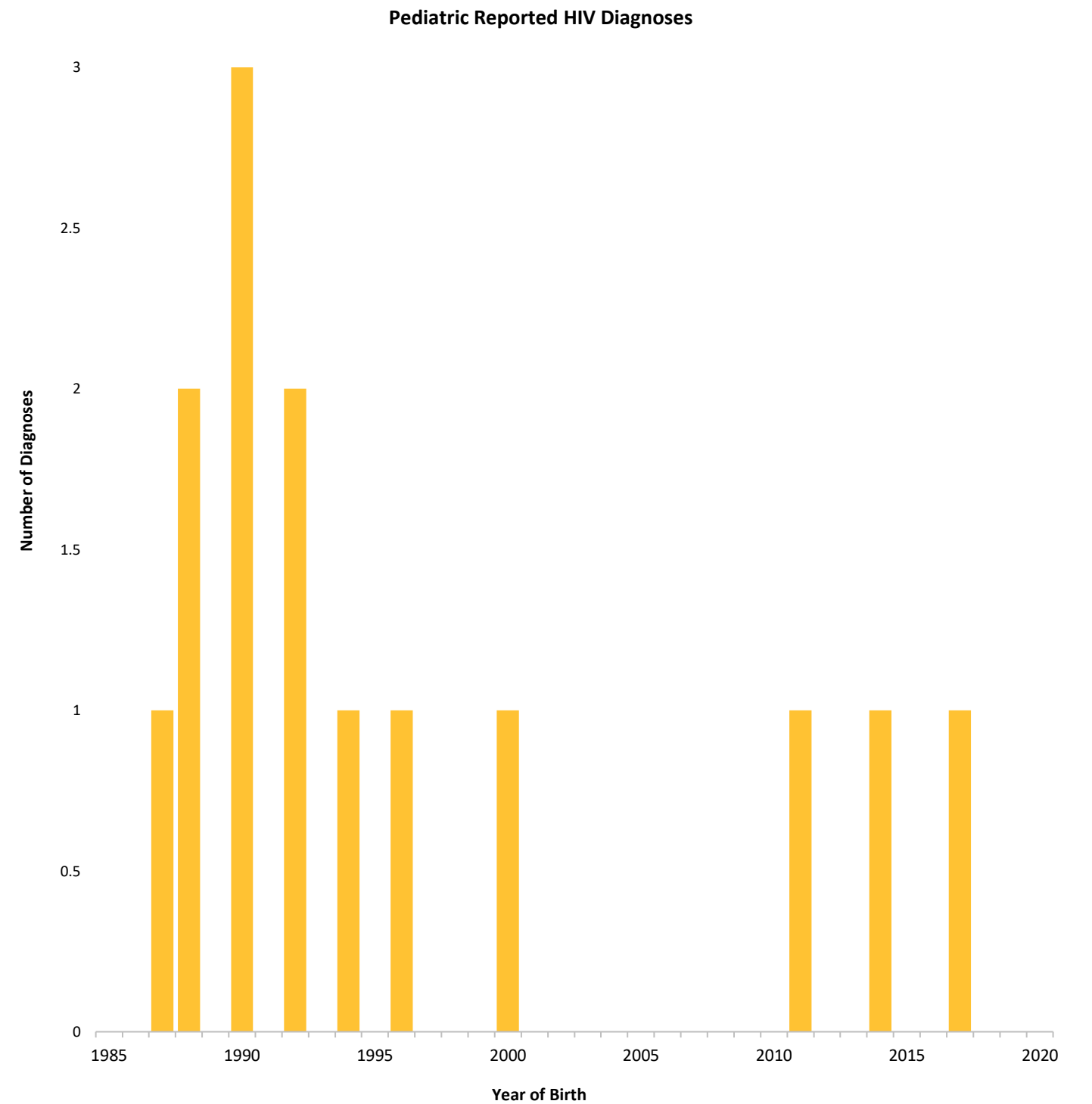
Year of AIDS Diagnosis	Reported AIDS Diagnoses among People Aged 13+							
	No.	Reported AIDS Deaths			Percent Alive by Years After AIDS Diagnosis			
		No.	% Deceased	Mean Years from AIDS to Death	1 Year	2 Years	5 Years	10 Years
<1985	1	1	100.0%	0.0	0.0%	0.0%	0.0%	0.0%
1985	1	1	100.0%	2.9	100.0%	100.0%	0.0%	0.0%
1986	5	5	100.0%	1.1	40.0%	20.0%	0.0%	0.0%
1987	6	6	100.0%	2.5	50.0%	16.7%	16.7%	16.7%
1988	8	8	100.0%	2.3	62.5%	50.0%	12.5%	0.0%
1989	15	15	100.0%	2.0	86.7%	46.7%	0.0%	0.0%
1990	13	11	84.6%	3.6	76.9%	61.5%	38.5%	23.1%
1991	11	10	90.9%	2.3	81.8%	54.5%	18.2%	9.1%
1992	27	23	85.2%	3.0	85.2%	59.3%	22.2%	22.2%
1993	23	18	78.3%	4.2	78.3%	52.2%	34.8%	30.4%
1994	19	13	68.4%	3.2	89.5%	52.6%	47.4%	42.1%
1995	21	15	71.4%	4.7	76.2%	57.1%	52.4%	42.9%
1996	29	15	51.7%	4.9	86.2%	79.3%	72.4%	58.6%
1997	22	10	45.5%	6.2	81.8%	81.8%	81.8%	63.6%
1998	25	15	60.0%	7.8	84.0%	84.0%	80.0%	60.0%
1999	17	10	58.8%	6.9	88.2%	88.2%	70.6%	58.8%
2000	14	4	28.6%	9.2	100.0%	100.0%	85.7%	85.7%
2001	17	9	52.9%	6.7	88.2%	82.4%	70.6%	64.7%
2002	19	8	42.1%	2.4	84.2%	78.9%	63.2%	57.9%
2003	20	11	55.0%	5.2	85.0%	80.0%	70.0%	65.0%
2004	16	6	37.5%	3.7	81.3%	75.0%	75.0%	68.8%
2005	21	13	61.9%	5.1	81.0%	76.2%	66.7%	42.9%
2006	27	13	48.1%	3.4	81.5%	81.5%	63.0%	55.6%
2007	20	8	40.0%	6.1	85.0%	85.0%	80.0%	75.0%
2008	27	5	18.5%	3.3	92.6%	92.6%	85.2%	81.5%
2009	18	3	16.7%	4.6	94.4%	94.4%	88.9%	88.9%
2010	18	5	27.8%	3.9	88.9%	83.3%	83.3%	72.2%
2011	11	2	18.2%	2.1	90.9%	90.9%	81.8%	--
2012	21	3	14.3%	5.9	100.0%	100.0%	95.2%	--
2013	20	5	25.0%	2.1	85.0%	80.0%	80.0%	--
2014	25	1	4.0%	0.3	96.0%	96.0%	96.0%	--
2015	14	2	14.3%	1.8	92.9%	92.9%	85.7%	--
2016	15	2	13.3%	1.0	93.3%	86.7%	--	--
2017	22	3	13.6%	2.1	100.0%	90.9%	--	--
2018	13	1	7.7%	0.0	92.3%	92.3%	--	--
2019	14	4	28.6%	0.3	71.4%	--	--	--
Total	615	284	46.2%	4.1	85.9%	77.6%	67.0%	60.3%

\*2019 AIDS deaths are preliminary

Section IX – Pediatrics

Figure 12 – Trends in Reported HIV Diagnoses among People Aged <13, 1985-2020,  
Reported through June 30, 2021

Number of Pediatric HIV Diagnoses, Age <13 at HIV Diagnosis, (Pediatric Reported HIV Diagnoses) by Year of Birth, by Year of HIV Diagnosis, by Year of AIDS Diagnosis, and by Year of Death Due to Any Cause, and Number of Children with Diagnosed HIV, Age <13 at HIV Diagnosis, and Not Reported to have Died as of December 31<sup>st</sup> of Each Year (Total Living Pediatric Diagnoses) from 1985 through 2020, as Reported by Name through June 30, 2021



Year	Pediatric Reported HIV Diagnoses				Total Living Pediatric Diagnoses Alive on December 31st of Each Year
	No. by Year of Birth	No. by Year of HIV Diagnosis	No. by Year of AIDS Diagnosis	No. by Year of Death	
<1985	1	0	0	0	--
1985	0	0	0	0	0
1986	0	0	0	0	0
1987	1	1	1	0	0
1988	2	1	1	0	0
1989	0	0	0	0	0
1990	3	2	0	0	2
1991	0	0	1	1	1
1992	2	1	0	0	2
1993	0	0	0	0	2
1994	1	3	3	0	4
1995	0	0	0	1	3
1996	1	1	1	1	4
1997	0	0	0	0	4
1998	0	0	1	0	4
1999	0	0	0	1	3
2000	1	2	0	0	5
2001	0	0	0	0	6
2002	0	0	0	0	6
2003	0	0	0	0	6
2004	0	0	0	0	6
2005	0	0	0	0	6
2006	0	0	0	0	6
2007	0	1	0	0	7
2008	0	0	0	0	7
2009	0	0	0	0	7
2010	0	0	0	1	6
2011	1	1	1	0	7
2012	0	0	0	0	7
2013	0	0	0	1	6
2014	1	1	1	0	7
2015	0	0	0	0	7
2016	0	0	0	0	7
2017	1	1	0	0	8
2018	0	0	0	0	8
2019	0	0	1	0	8
2020	0	0	0	0	8
<b>Total</b>	15	15	11	6	--

**Table 23 – People Aged <13 Living with Diagnosed HIV, Alive on December 31, 2020, by Jurisdiction of Current Residence, Reported through June 30, 2021**

Jurisdiction of Current Residence	Total People Aged <13 Living with Diagnosed HIV	
	No.	% of Total
Calvert	0	0.0%
Charles	4	100.0%
Saint Mary's	0	0.0%
<b>Total</b>	4	100.0%

**Table 24 – People Aged <13 Living with Diagnosed HIV, Alive on December 31, 2020, by Sex at Birth and Race/Ethnicity, Reported through June 30, 2021**

Demographic Characteristic	Total People Aged <13 Living with Diagnosed HIV	
	No.	% of Total
<b>Sex at Birth</b>		
Male	2	50.0%
Female	2	50.0%
<b>Race/Ethnicity</b>		
<b>Hispanic</b>	0	0.0%
<b>Non-Hispanic</b>	4	100.0%
American Indian/Alaska Native, only	0	0.0%
Asian, only	0	0.0%
Black, only	4	100.0%
Native Hawaiian/Other Pacific Islander, only	0	0.0%
White, only	0	0.0%
Multiracial/Other	0	0.0%
<b>Total</b>	4	100.0%

## Glossary of Terms

**Age at AIDS Diagnosis:** Age group at time of initial AIDS diagnosis.

**Age at HIV Diagnosis:** Age group at time of initial HIV diagnosis.

**Age on [date]:** Age group of people living with diagnosed HIV on the specified date.

**Another Gender Identity:** All other gender identities or gender expressions.

**CD4 Result Distribution (<200, 200-349, 350-499, 500+):** Percent of people living with diagnosed HIV with a CD4 test distributed by their CD4 count results (cells per microliter).

**CD4 With Test:** Number and percent of total people aged 13+ living with diagnosed HIV with a recent CD4 test result.

**Corrections:** Residence in a state or federal prison in Maryland. Does not include local jails and detention centers.

**Current Residence:** Jurisdiction of residence from the most recent report since January 1, 2009.

**Female:** A person whose sex assigned at birth is female.

**First CD4 Test Result Median Count:** Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

**First CD4 Test Result Percent with Test:** Percent of reported HIV diagnoses among people aged 13+ with the first CD4 test result reported within 12 months following the initial HIV diagnosis.

**Gender Expression:** People's outward presentation of their gender which may or may not conform to socially defined behaviors and characteristics typically associated with being either masculine or feminine.

**Gender Identity:** Refers to one's internal understanding of one's own gender, or the gender with which a person identifies.

**Heterosexual Contact (HET):** Men or women who report a history of sexual contact with a person of the opposite sex who is known to be HIV positive or at increased risk for HIV transmission. Risk groups include bisexual men, IDUs and recipients of blood, blood components, transplants of organ or tissue, and artificial insemination.

**Injection Drug Use (IDU):** People who report receiving an injection, either self-administered or given by another person, of a drug that was not prescribed by a physician.

**Jurisdiction of Current Residence:** Jurisdiction of residence from the most recent report since January 1, 2009.

**Jurisdiction of Residence:** Jurisdiction of residence at diagnosis or current residence.

**Jurisdiction of Residence at AIDS Diagnosis:** Jurisdiction of residence at time of initial AIDS diagnosis.

**Jurisdiction of Residence at Diagnosis:** Jurisdiction of residence at the later time of initial HIV diagnosis or time of initial AIDS diagnosis.

**Jurisdiction of Residence at HIV Diagnosis:** Jurisdiction of residence at time of initial HIV diagnosis.

**Late HIV Diagnosis:** Percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 3 months after their initial HIV diagnosis.

**Linked to Care:** Percent of adult/adolescent reported HIV diagnoses with a reported CD4 or viral load test performed less than or equal to 1 month or 3 months after their initial HIV diagnosis.

**People Aged 13+ Living with Diagnosed HIV:** Reported HIV diagnoses, age 13 years or older as of December 31<sup>st</sup> of the specified year and not reported to have died as of December 31<sup>st</sup> of the specified year.

**People Living with Diagnosed HIV:** Reported HIV diagnoses not reported to have died as of December 31<sup>st</sup> of the specified year.

**Male:** A person whose sex assigned at birth is male.

**Mean Years from HIV Diagnosis:** Mean or average number of years from initial HIV diagnosis to initial AIDS diagnosis for people living with a reported AIDS diagnosis.

**Mean Years from AIDS diagnosis to AIDS Death:** Mean or average number of years from initial AIDS diagnosis to death for adult/adolescent reported AIDS diagnoses with a reported death.

**Median Count:** Median CD4 count (cells per microliter), among total people aged 13+ living with diagnosed HIV, of the most recent CD4 test result measured in the specified year.

**Median Unsuppressed:** Median unsuppressed viral load (copies per milliliter) among people aged 13+ living with diagnosed HIV of the most recent viral load test result measured in the specified year of 200 copies per milliliter or greater.

**Male-to-male Sexual Contact (MSM):** Men who report a history of sexual contact with other men (homosexual contact) including men who report sexual contact with both men and women (bisexual contact).

**Male-to-male Sexual Contact/Injection Drug Use (MSM/IDU):** Men who report a history of sexual contact with other men who also have engaged in injection drug use.

**Other Exposure:** Includes people who received clotting factor for hemophilia/coagulation disorder, or received a transfusion of blood/blood components, or received a transplant of tissue/organs or artificial insemination, or worked in a health care or clinical laboratory setting.

**Percent Change:** The percent change in number of total people aged 13+ living with diagnosed HIV from residence at diagnosis to current residence.

**Percent Alive by Years after AIDS Diagnosis:** Percent of adult/adolescent reported AIDS diagnoses not reported to have died at 1 year, 2 years, 5 years and 10 years after initial AIDS diagnosis, by year of AIDS diagnosis.

**Percent Late HIV Diagnosis:** Percent of adult/adolescent reported AIDS diagnoses with an initial HIV diagnosis less than or equal to 3 months prior to their initial AIDS diagnosis.

**Percent Suppressed:** Percent of total people aged 13+ living with diagnosed HIV with a recent viral load test result measured in the specified year of less than 200 copies per milliliter.

**Percent with AIDS by Years after HIV Diagnosis:** Percent of adult/adolescent reported HIV diagnoses in the specified year with an initial AIDS diagnosis at 1 year, 2 years, 5 years and 10 years after HIV diagnosis.

**Perinatal Exposure:** Any baby born to a woman living with diagnosed HIV.

**Population:** Population estimate for July 1, 2020.

**Population Aged 13+:** Population age 13 years or older, estimate for July 1, 2020.

**Rate:** Number of people living with diagnosed HIV divided by the population and multiplied by 100,000.

**Ratio (1 in X):** Number of people for every 1 person living with diagnosed HIV in the population, or 1 person living with diagnosed HIV in every X number of people.

**Recent CD4 Test Result:** The most recent CD4 test result measured in the specified year.

**Recent Viral Load Test Result:** The most recent viral load test result measured in the specified year.

**Reported AIDS Deaths:** Reported HIV diagnoses with an AIDS diagnosis, reported to have died of any cause during the specified year.

**Reported AIDS Diagnoses:** Reported HIV diagnoses with an initial AIDS diagnosis during the specified year.

**Reported AIDS Diagnoses among People Aged 13+:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial AIDS diagnosis during the specified year.

**Reported HIV Diagnoses:** Reported HIV diagnoses with an initial HIV diagnosis during the specified year.

**Reported HIV Diagnoses among People Aged 13+:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

**Residence at Diagnosis:** Jurisdiction of residence at later time of initial HIV diagnosis or initial AIDS diagnosis.

**Retained in HIV Care:** HIV diagnosed with a reported CD4 or viral load test result performed or reported antiretroviral use in the specified year.

**Suppressed Viral Load:** HIV diagnosed with the most recent viral load measured in the specified year of less than 200 copies per milliliter.

**Total People Aged 13+ Living with Diagnosed HIV:** Reported HIV diagnoses, age 13 years or older as of December 31<sup>st</sup> of the specified year not reported to have died as of December 31<sup>st</sup> of the specified year.

**Total People Aged <13 Living with Diagnosed HIV:** Reported HIV diagnosis, age less than 13 years at HIV diagnosis and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Total People Living with Diagnosed HIV:** Reported HIV diagnoses not reported to have died as of December 31<sup>st</sup> of the specified year.

**Transgender Man:** A person whose sex assigned at birth is female but who identify as masculine.

**Transgender Woman:** A person whose sex assigned at birth is male but who identify as feminine.

**Viral Load With Test:** Number and percent of total people aged 13+ living with diagnosed HIV with a recent viral load test result.